

INSTRUCTION MANUAL

FOR

DGC-2020HD

Digital Genset Controller

Modbus™ Protocol



Publication: 9469300991
Revision: A Nov-13

Preface

This instruction manual provides information about the installation and operation of the DGC-2020HD Digital Genset Controllers with the Modbus™ protocol. To accomplish this, the following information is provided:

- General information
- Register table

Conventions Used in this Manual

Important safety and procedural information is emphasized and presented in this manual through warning, caution, and note boxes. Each type is illustrated and defined as follows.

Warning!

Warning boxes call attention to conditions or actions that may cause personal injury or death.

Caution

Caution boxes call attention to operating conditions that may lead to equipment or property damage.

Note

Note boxes emphasize important information pertaining to installation or operation.



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First printing: November 2013

Warning!

READ THIS MANUAL. Read this manual before installing, operating, or maintaining the DGC-2020HD. Note all warnings, cautions, and notes in this manual as well as on the product. Keep this manual with the product for reference. Only qualified personnel should install, operate, or service this system. Failure to follow warning and cautionary labels may result in personal injury or property damage. Exercise caution at all times.

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It is not the intention of this manual to cover all details and variations in equipment, nor does this manual provide data for every possible contingency regarding installation or operation. The availability and design of all features and options are subject to modification without notice. Over time, improvements and revisions may be made to this publication. Before performing any of the following procedures, contact Basler Electric for the latest revision of this manual.

The English-language version of this manual serves as the only approved manual version.

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General Information

This document describes the Modbus communications protocol employed by DGC-2020HD systems and how to exchange information with DGC-2020HD systems over a Modbus network. DGC-2020HD systems communicate by emulating a subset of the Modicon 984 Programmable Controller.

Modbus communications use a master-slave technique in which only the master can initiate a transaction. This transaction is called a query. When appropriate, a slave (DGC-2020HD) responds to the query. When a Modbus master communicates with a slave, information is provided or requested by the master. Information residing in the DGC-2020HD is grouped categorically as follows:

- General
- Global Settings
- Configuration
- Binary Points
- Metering
- Breaker Settings
- Bias Control
- Pulse Outputs
- Bus Condition
- DGC Settings
- Control Settings
- Protection Settings
- Remote Module Settings

All supported data can be read as specified in the Register Table. Abbreviations are used in the Register Table to indicate the register type. Register types are:

- Read/Write = RW
- Read Only = R

When a slave receives a query, the slave responds by either supplying the requested data to the master or performing the requested action. A slave device never initiates communications on the Modbus and will always generate a response to the query unless certain error conditions occur. The DGC-2020HD is designed to communicate on the Modbus network only as a slave device.

Refer to the *Instruction Manual for Digital Genset Controller DGC-2020HD* (Basler Publication 9469300990) for Modbus communication setup and wiring.

Message Structure

Device Address Field

The device address field contains the unique Modbus address of the slave being queried. The addressed slave repeats the address in the device address field of the response message. This field is 1 byte.

Although Modbus protocol limits a device address from 1 - 247. The address is user-selectable at installation and can be altered during real-time operation.

Function Code Field

The function code field in the query message defines the action to be taken by the addressed slave. This field is echoed in the response message and is altered by setting the most significant bit (MSB) of the field to 1 if the response is an error response. This field is 1 byte in length.

The DGC-2020HD maps all available data into the Modicon 984 holding register address space supports the following function codes:

- Function 03 (03 hex) - read holding registers
- Function 06 (06 hex) - preset single register
- Function 08 (08 hex), subfunction 00 - diagnostics: return query data

- Function 08 (08 hex), subfunction 01 - diagnostics: restart communications option
- Function 08 (08 hex), subfunction 04 - diagnostics: force listen only mode
- Function 16 (10 hex) - preset multiple registers

Data Block Field

The query data block contains additional information needed by the slave to perform the requested function. The response data block contains data collected by the slave for the queried function. An error response will substitute an exception response code for the data block. The length of this field varies with each query.

Error Check Field

The error check field provides a method for the slave to validate the integrity of the query message contents and allows the master to confirm the validity of response message contents. This field is 2 bytes.

Modbus Modes of Operation

A standard Modbus network offers the remote terminal unit (RTU) transmission mode and Modbus/TCP mode for communication. DGC-2020HD systems support the Modbus/TCP mode and RS-485 mode at the same time. To enable editing over Modbus TCP, or RS-485, the unsecured access level for the port must be configured to the appropriate access level. See the *Instruction Manual for Digital Genset Controller DGC-2020HD* (Basler Publication 9469300990) for more information on security and access levels. These two modes of operation are described below.

A master can query slaves individually or universally. A universal ("broadcast") query, when allowed, evokes no response from any slave device. If a query to an individual slave device requests actions unable to be performed by the slave, the slave response message contains an exception response code defining the error detected. Exception response codes are quite often enhanced by the information found in the "Error Details" block of holding registers.

The Modbus protocol defines a simple Protocol Data Unit (PDU) independent of the underlying communication layers. The mapping of the Modbus protocol on specific buses or networks can introduce some additional fields on the Application Data Unit (ADU). See Figure 1.

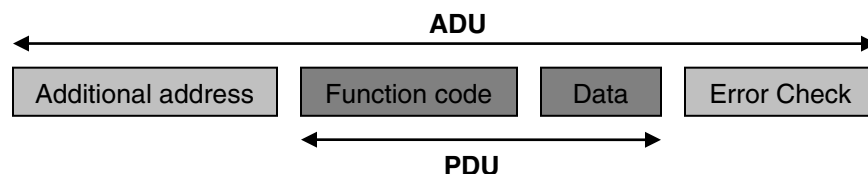


Figure 1. General Modbus Frame

The client that initiates a Modbus transaction builds the Modbus Application Data Unit. The function code indicates to the server which kind of action to perform.

Modbus Over Serial Line

Message Structure

Master initiated queries and DGC-2020HD responses share the same message structure. Each message is comprised of four message fields. They are:

- Device Address (1 byte)
- Function Code (1 byte)
- Data Block (n bytes)
- Error Check field (2 bytes)

Each 8-bit byte in a message contains two 4-bit hexadecimal characters. The message is transmitted in a continuous stream with the LSB of each byte of data transmitted first. Transmission of each 8-bit data byte occurs with one start bit and either one or two stop bits. Parity checking is performed, when enabled,

and can be either odd or even. The transmission baud rate is user-selectable, and can be set at installation and altered during real-time operation. DGC-2020HD Modbus supports baud rates up to 115200. The factory default baud rate is 19200.

DGC-2020HD systems support RS-485 compatible serial interfaces. This interface is accessible from the left side panel of the DGC-2020HD.

Message Framing and Timing Considerations

When receiving a message via the RS-485 communication port, the DGC-2020HD requires an inter-byte latency of 3.5 character times before considering the message complete.

Once a valid query is received, the DGC-2020HD waits a specified amount of time before responding. This time delay is set on the Modbus Setup screen under Communications in BESTCOMS*Plus*®. This parameter contains a value from 10 - 10,000 milliseconds. The default value is 10 milliseconds.

Table 1 provides the response message transmission time (in seconds) and 3.5 character times (in milliseconds) for various message lengths and baud rates.

Table 1. Timing Considerations

Baud Rate	3.5 Character Time (ms)	Message Tx Time(s)	
		128 Bytes	256 Bytes
2400	16.04	0.59	1.17
4800	8.021	0.29	0.59
9600	4.0104	0.15	0.29
19200	2.0052	0.07	0.15

Modbus on TCP/IP

Application Data Unit

The following describes the encapsulation of a Modbus request or response when it is carried on a Modbus TCP/IP network. See Figure 2.

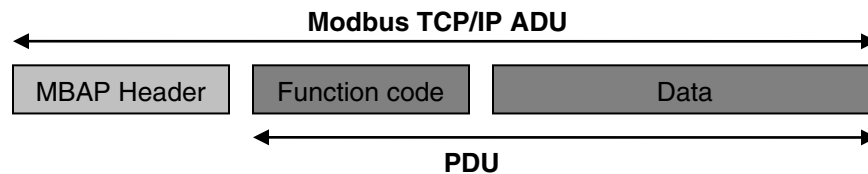


Figure 2. Modbus Request/Response Over TCP/IP

A dedicated header is used on TCP/IP to identify the Modbus Application Data Unit. It is called the MBAP header (Modbus Application Protocol header).

This header provides some differences compared to the Modbus RTU application data unit used on a serial line:

- The Modbus 'slave address' field usually used on Modbus Serial Line is replaced by a single byte 'Unit Identifier' within the MBAP header. The 'Unit Identifier' is used to communicate via devices such as bridges, routers, and gateways that use a single IP address to support multiple independent Modbus end units.
- All Modbus requests and responses are designed in such a way that the recipient can verify that a message is finished. For function codes where the Modbus PDU has a fixed length, the function code alone is sufficient. For function codes carrying a variable amount of data in the request or response, the data field includes a byte count.
- When Modbus is carried over TCP, additional length information is carried in the MBAP header to allow the recipient to recognize message boundaries even if the message has been split into multiple packets for transmission. The existence of explicit and implicit length rules and use of a

CRC-32 error check code (on Ethernet) results in an infinitesimal chance of undetected corruption to a request or response message.

MBAP Header Description

The MBAP Header contains the fields listed in Table 2.

Table 2. MBAP Header Fields

Fields	Length	Description	Client	Server
Transaction Identifier	2 Bytes	Identification of a Modbus request/response transaction.	Initialized by the client.	Recopied by the server from the received request.
Protocol Identifier	2 Bytes	0 = Modbus protocol.	Initialized by the client.	Recopied by the server from the received request.
Length	2 Bytes	Number of following bytes.	Initialized by the client (request).	Initialized by the server (response).
Unit Identifier	1 Byte	Identification of a remote slave connected on a serial line or on other buses.	Initialized by the client.	Recopied by the server from the received request.

The header is 7 bytes long:

- *Transaction Identifier* – Used for transaction pairing, the Modbus server copies in the response the transaction identifier of the request.
- *Protocol Identifier* – Used for intra-system multiplexing. The Modbus protocol is identified by the value 0.
- *Length* – A byte count of the following fields, including the Unit Identifier and data fields.
- *Unit Identifier* – Used for intra-system routing purpose. It is typically used to communicate to a Modbus or a Modbus serial line slave through a gateway between an Ethernet TCP/IP network and a Modbus serial line. This field is set by the Modbus Client in the request and must be returned with the same value in the response by the server.

Note: All Modbus/TCP ADU are sent via TCP on registered port 502.

Error Handling and Exception Responses

Any query received that contains a non-existent device address, a framing error, or CRC error is ignored. No response is transmitted. Queries addressed to the DGC-2020HD with an unsupported function or illegal values in the data block result in an error response message with an exception response code. The exception response codes supported by the DGC-2020HD are provided in Table 3.

Table 3. Supported Exception Response Codes

Code	Name	Description
01	Illegal Function	The query Function/Subfunction Code is unsupported; query read of more than 125 registers; query preset of more than 100 registers.
02	Illegal Data Address	A register referenced in the data block does not support queried read/write; query preset of a subset of a numerical register group.
03	Illegal Data Value	A preset register data block contains an incorrect number of bytes or one or more data values out of range.

DGC-2020HD Modbus via Ethernet

Modbus can communicate through Ethernet if the IP address of the DGC-2020HD is configured as described in the *Instruction Manual for Digital Genset Controller DGC-2020HD* (Basler Publication 9469300990).

Detailed Message Query and Response for RTU Transmission Mode

A detailed description of DGC-2020HD supported message queries and responses is provided in the following paragraphs.

Read Holding Registers

Query

This query message requests a register or block of registers to be read. The data block contains the starting register address and the quantity of registers to be read. A register address of N will read holding register N+1. If the query is a broadcast (device address = 0), no response message is returned.

Device Address
 Function Code = 03 (hex)
 Starting Address Hi
 Starting Address Lo
 No. of Registers Hi
 No. of Registers Lo
 CRC Hi error check
 CRC Lo error check

The number of registers cannot exceed 125 without causing an error response with the exception code for an illegal function.

Response

The response message contains the data queried. The data block contains the block length in bytes followed by the data (one Data Hi byte and one Data Lo byte) for each requested register.

Reading an unassigned holding register returns a value of zero.

Device Address
 Function Code = 03 (hex)
 Byte Count
 Data Hi (For each requested register, there is one Data Hi and one Data Lo.)
 Data Lo
 .
 .
 Data Hi
 Data Lo
 CRC Hi error check
 CRC Lo error check

Return Query Data

This query contains data to be returned (looped back) in the response. The response and query messages should be identical. If the query is a broadcast (device address = 0), no response message is returned.

Device Address
 Function Code = 08 (hex)
 Subfunction Hi = 00 (hex)
 Subfunction Lo = 00 (hex)
 Data Hi = xx (don't care)
 Data Lo = xx (don't care)

CRC Hi error check
CRC Lo error check

Restart Communications Option

This query causes the remote communications function of the DGC-2020HD to restart, terminating an active listen only mode of operation. No effect is made upon primary relay operations. Only the remote communications function is affected. If the query is a broadcast (device address = 0), no response message is returned.

If the DGC-2020HD receives this query while in the listen only mode, no response message is generated. Otherwise, a response message identical to the query message is transmitted prior to the communications restart.

Device Address

Function Code = 08 (hex)
Subfunction Hi = 00 (hex)
Subfunction Lo = 01 (hex)
Data Hi = xx (don't care)
Data Lo = xx (don't care)
CRC Hi error check
CRC Lo error check

Listen Only Mode

This query forces the addressed DGC-2020HD to the listen only mode for Modbus communications, isolating it from other devices on the network. No responses are returned.

While in the listen only mode, the DGC-2020HD continues to monitor all queries. The DGC-2020HD does not respond to any other query until the listen only mode is removed. All write requests with a query to Preset Multiple Registers (Function Code = 16) are also ignored. When the DGC-2020HD receives the restart communications query, the listen only mode is removed.

Device Address

Function Code = 08 (hex)
Subfunction Hi = 00 (hex)
Subfunction Lo = 04 (hex)
Data Hi = xx (don't care)
Data Lo = xx (don't care)
CRC Hi error check
CRC Lo error check

Preset Multiple Registers

A preset multiple registers query could address multiple registers in one slave or multiple slaves. If the query is a broadcast (device address = 0), no response message is returned.

Query

A Preset Multiple Register query message requests a register or block of registers to be written. The data block contains the starting address and the quantity of registers to be written, followed by the Data Block byte count and data. The DGC-2020HD will perform the write when the device address in query is a broadcast address or the same as the DGC-2020HD Modbus Unit ID (device address).

A register address of N will write Holding Register N+1.

Data will cease to be written if any of the following exceptions occur.

- Queries to write to Read Only registers result in an error response with Exception Code of "Illegal Data Address".
- Queries attempting to write more than 100 registers cause an error response with Exception Code "Illegal Function".

- An incorrect Byte Count will result in an error response with Exception Code of “Illegal Data Value”.
- There are several instances of registers that are grouped together to collectively represent a single numerical DGC-2020HD data value (i.e. - floating point data, 32-bit integer data, and strings). A query to write a subset of such a register group will result in an error response with Exception Code “Illegal Data Address”.
- A query to write a not allowed value (out of range) to a register results in an error response with Exception Code of “Illegal Data Value”.

Device Address

Function Code = 10 (hex)

Starting Address Hi

Starting Address Lo

No. of Registers Hi

No. of Registers Lo

Byte Count

Data Hi

Data Lo

.

.

Data Hi

Data Lo

CRC Hi error check

CRC Lo error check

Response

The response message echoes the starting address and the number of registers. There is no response message when the query is a broadcast (device address = 0).

Device Address

Function Code = 10 (hex)

Starting Address Hi

Starting Address Lo

No. of Registers Hi

No. of Registers Lo

CRC Hi Error Check

CRC Lo Error Check

Preset Single Register

A Preset Single Register query message requests a single register to be written. If the query is a broadcast (device address = 0), no response message is returned.

Note: Only data types INT16, INT8, UINT16, UINT8, and String (not longer than 2 bytes), can be preset by this function.

Query

Data will cease to be written if any of the following exceptions occur.

- Queries to write to Read Only registers result in an error response with Exception Code of “Illegal Data Address”.
- A query to write an unallowed value (out of range) to a register results in an error response with Exception Code of “Illegal Data Value”.

Device Address

Function Code = 06 (hex)

Address Hi

Address Lo

Data Hi

Data Lo

CRC Hi error check
CRC Lo error check

Response

The response message echoes the Query message after the register has been altered.

Data Formats

DGC-2020HD systems support the following data types:

- Data types mapped to 2 registers
 - Signed Integer 32 (Int32)
 - Unsigned Integer 32 (Uint32)
 - Floating Point (Float)
 - IP Address (IP Address)
 - Strings maximum 4 characters long (String)
- Data types mapped to 1 register
 - Unsigned Integer 16 (Uint16)
 - Unsigned Integer 8 (Uint8)
 - Strings maximum 2 characters long (String)
- Data types mapped to more than 2 registers
 - Strings longer than 4 characters (String)

Floating Point Data Format (Float)

The Modbus floating point data format uses two consecutive holding registers to represent a data value. The first register contains the low-order 16 bits of the following 32-bit format:

- MSB is the sign bit for the floating-point value (0 = positive).
- The next 8 bits are the exponent biased by 127 decimal.
- The 23 LSBs comprise the normalized mantissa. The most-significant bit of the mantissa is always assumed to be 1 and is not explicitly stored, yielding an effective precision of 24 bits.

The value of the floating-point number is obtained by multiplying the binary mantissa times two raised to the power of the unbiased exponent. The assumed bit of the binary mantissa has the value of 1.0, with the remaining 23 bits providing a fractional value. Table 4 shows the floating-point format.

Table 4. Floating Point Format

Sign	Exponent + 127	Mantissa
1 Bit	8 Bits	23 Bits

The floating-point format allows for values ranging from approximately 8.43×10^{-37} to 3.38×10^{38} . A floating-point value of all zeroes is the value zero. A floating-point value of all ones (not a number) signifies a value currently not applicable or disabled.

Example: The value 95,800 represented in floating-point format is hexadecimal 47BB1C00. This number will read from two consecutive holding registers as follows:

<u>Holding Register</u>	<u>Value</u>
K (Hi Byte)	hex 1C
K (Lo Byte)	hex 00
K+1(Hi Byte)	hex 47
K+1(Lo Byte)	hex BB

The same byte alignments are required to write.

Long Integer Data Format (Uint32, Int32, and IP Address)

The Modbus long integer data format uses two consecutive holding registers to represent a 32-bit data value. The first register contains the low-order 16 bits and the second register contains the high-order 16 bits.

Example: The value 95,800 represented in long integer format is hexadecimal 0x00017638. This number will read from two consecutive holding registers as follows:

<u>Holding Register</u>	<u>Value</u>
K (Hi Byte)	hex 76
K (Lo Byte)	hex 38
K+1(Hi Byte)	hex 00
K+1(Lo Byte)	hex 01

The same byte alignments are required to write.

Integer Data Format (Uint16) or Bit-Mapped Variables in Uint16 Format

The Modbus integer data format uses a single holding register to represent a 16-bit data value.

Example: The value 4660 represented in integer format is hexadecimal 0x1234. This number will read from a holding register as follows:

<u>Holding Register</u>	<u>Value</u>
K (Hi Byte)	hex 12
K (Lo Byte)	hex 34

The same byte alignments are required to write.

The Uint16 Data Format is listed in *Binary Points* below.

Example: Register 1100 occupies 16 rows in the Register Table where each row gives the name of specific bit-mapped data such as 1100-0 indicates bit 0 of register 1100 is mapped to RF-TRIG.

Short Integer Data Format/Byte Character Data Format (Uint8)

The Modbus short integer data format uses a single holding register to represent an 8-bit data value. The holding register high byte will always be zero.

Example: The value 132 represented in short integer format is hexadecimal 0x84. This number will read from a holding register as follows:

<u>Holding Register</u>	<u>Value</u>
K (Hi Byte)	hex 00
K (Lo Byte)	hex 84

The same byte alignments are required to write.

String Data Format (String)

The Modbus string data format uses one or more holding registers to represent a sequence, or string, of character values. If the string contains a single character, the holding register high byte will contain the ASCII character code and the low byte will be zero.

Example: The string "PASSWORD" represented in string format will read as follows:

<u>Holding Register</u>	<u>Value</u>
K (Hi Byte)	'P'
K (Lo Byte)	'A'
K+1(Hi Byte)	'S'
K+1(Lo Byte)	'S'
K+2(Hi Byte)	'W'
K+2(Lo Byte)	'O'

K+3(Hi Byte) 'R'
 K+3(Lo Byte) 'D'

Example: If the above string is changed to “P”, the new string will read as follows:

<u>Holding Register</u>	<u>Value</u>
K (Hi Byte)	'P'
K (Lo Byte)	hex 00
K+1(Hi Byte)	hex 00
K+1(Lo Byte)	hex 00
K+2(Hi Byte)	hex 00
K+2(Lo Byte)	hex 00
K+3(Hi Byte)	hex 00
K+3(Lo Byte)	hex 00

The same byte alignments are required to write.

CRC Error Check

This field contains a two-byte CRC value for transmission error detection. The master first calculates the CRC and appends it to the query message. The DGC-2020HD system recalculates the CRC value for the received query and performs a comparison to the query CRC value to determine if a transmission error has occurred. If so, no response message is generated. If no transmission error has occurred, the slave calculates a new CRC value for the response message and appends it to the message for transmission.

The CRC calculation is performed using all bytes of the device address, function code, and data block fields. A 16-bit CRC-register is initialized to all 1's. Then each eight-bit byte of the message is used in the following algorithm:

First, exclusive-OR the message byte with the low-order byte of the CRC-register. The result, stored in the CRC-register, will then be right-shifted eight times. The CRC-register MSB is zero-filled with each shift. After each shift, the CRC-register LSB is examined. If the LSB IS a 1, the CRC-register is then exclusive-ORed with the fixed polynomial value A001 (hex) prior to the next shift. Once all bytes of the message have undergone the above algorithm, the CRC-register will contain the message CRC value to be placed in the error check field.

Default Register Table

The register table on the following pages contains the following groups:

General, Binary Points, Bias Control, Breaker Settings, Bus Condition, DGC Settings, Pulse Outputs, Control Settings, Global Settings, Configuration, Remote Module Settings, Metering, and Protection Settings.

General

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Reserved			0001-34					
Land Line Modem	Modem Answer Rings	GG	0035	Uint8	1	R W	n/a	1 - 9
Land Line Modem	Modem Offline Delay	GG	0036	Uint16	2	R W	Minute	1 - 240
Land Line Modem	Inter Dialout Activation Delay	GG	0037	Uint8	1	R W	n/a	15 SEC=15 30 SEC=30 60 SEC=60 120 SEC=120
Land Line Modem	Pager Buffer Limit	GG	0038	Uint8	1	R W	n/a	80 CHARS=80 120 CHARS=120 160 CHARS=160 200 CHARS=200
Land Line Modem	Pager Comms Data Format	GG	0039	Uint8	1	R W	n/a	8 Bit No Parity=0 7 Bit Even Parity=1
System Data	Model Number	GG	0040	String	64	R	n/a	0 - 64
System Data	Firmware Part Number	GG	0072	String	64	R	n/a	0 - 64
System Data	External Version	GG	0104	String	32	R	n/a	0 - 32
System Data	External Boot Version	GG	0120	String	32	R	n/a	0 - 32
Time	Date	GG	0136	String	16	R	n/a	0 - 16
Time	Time	GG	0144	String	16	R	n/a	0 - 16
Time	Year	GG	0152	Uint32	4	R W	n/a	2000 - 2099
Time	Month	GG	0154	Uint32	4	R W	n/a	1 - 12
Time	Day	GG	0156	Uint32	4	R W	n/a	1 - 31
Time	Hour	GG	0158	Uint32	4	R W	n/a	0 - 23
Time	Minute	GG	0160	Uint32	4	R W	n/a	0 - 59
Time	Second	GG	0162	Uint32	4	R W	n/a	0 - 59
Time	Millisecond	GG	0164	Uint32	4	R W	n/a	0 - 999
Time	Time Zone Hour Offset	GG	0166	Int32	4	R W	n/a	-24 - 24
Time	Time Zone Minute Offset	GG	0168	Int32	4	R W	n/a	-59 - 59
Time	DST Config	GG	0170	Uint32	4	R W	n/a	Disabled=0 Floating=1 Fixed=2
Time	DST UTC Respective	GG	0172	Uint32	4	R W	n/a	No=0 Yes=1
Time	DST Start Month	GG	0174	Uint32	4	R W	n/a	January=0 February=1 March=2 April=3 May=4 June=5 July=6 August=7 September=8 October=9 November=10 December=11
Time	DST Start Day	GG	0176	Uint32	4	R W	n/a	1 - 31
Time	DST Start Week Of Month	GG	0178	Uint32	4	R W	n/a	First=0 Second=1 Third=2 Fourth=3 Last=4
Time	DST Start Day Of Week	GG	0180	Uint32	4	R W	n/a	Sunday=0 Monday=1 Tuesday=2 Wednesday=3 Thursday=4 Friday=5 Saturday=6
Time	DST Start Hour	GG	0182	Uint32	4	R W	n/a	0 - 23
Time	DST Start Minute	GG	0184	Uint32	4	R W	n/a	0 - 59

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Time	DST End Month	GG	0186	Uint32	4	R W	n/a	January=0 February=1 March=2 April=3 May=4 June=5 July=6 August=7 September=8 October=9 November=10 December=11
Time	DST End Day	GG	0188	Uint32	4	R W	n/a	1 - 31
Time	DST End Week Of Month	GG	0190	Uint32	4	R W	n/a	First=0 Second=1 Third=2 Fourth=3 Last=4
Time	DST End Day Of Week	GG	0192	Uint32	4	R W	n/a	Sunday=0 Monday=1 Tuesday=2 Wednesday=3 Thursday=4 Friday=5 Saturday=6
Time	DST End Hour	GG	0194	Uint32	4	R W	n/a	0 - 23
Time	DST End Minute	GG	0196	Uint32	4	R W	n/a	0 - 59
Time	DST Bias Hours	GG	0198	Int32	4	R W	n/a	-23 - 23
Time	DST Bias Minutes	GG	0200	Int32	4	R W	n/a	-59 - 59
Time	Twelve-Hour Mode	GG	0202	Uint32	4	R W	n/a	12 Hour Mode=0 24 Hour Mode=1
Time	Date Format	GG	0204	Uint32	4	R W	n/a	YYYY-MM-DD=0 MM-DD-YYYY=1 DD-MM-YYYY=2
Unit Information	Style Number	GG	0206	String	32	R W	n/a	0 - 32
Unit Information	Serial Number	GG	0222	String	32	R W	n/a	0 - 32
Load Detection	EPS Threshold	GG	0238	Uint32	4	R W	Percent	3 - 10
Load Detection	Low-Line Scale	GG	0240	Float	4	R W	n/a	0.001 - 3
Load Share Settings	System Type	GG	0242	Uint32	4	R W	n/a	Single Generator=0 Multiple Generator=1
Load Share Settings	Enable Comms Fail Pre Alarm	GG	0244	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Auto Restart	Auto Restart Enable	GG	0246	Uint32	4	R W	n/a	No=0 Yes=1
Auto Restart	Auto Restart Timeout Sec	GG	0248	Uint32	4	R W	Second	30 - 1800
Auto Restart	Auto Restart Attempts	GG	0250	Uint32	4	R W	n/a	1 - 10
ECU Config	CANBus Enabled By User	GG	0252	Uint32	4	R W	n/a	Disabled=0 Enabled=1
ECU Config	DTC Enable	GG	0254	Uint32	4	R W	n/a	Disabled=0 Enabled=1
ECU Config	J1939 Source Address	GG	0256	Uint32	4	R W	n/a	1 - 253
ECU Config	ECU Control Output	GG	0258	Uint32	4	R W	n/a	FL CNTCT=0 PS CNTCT=1
ECU Config	Pulsing Enable	GG	0260	Uint32	4	R W	n/a	Disabled=0 Enabled=1
ECU Config	ECU Settling Time	GG	0262	Uint32	4	R W	Millisecond	5500 - 30000
ECU Config	ECU Pulse Cycle Time	GG	0264	Uint32	4	R W	Minute	1 - 60
ECU Config	ECU Disconnect Time	GG	0266	Uint32	4	R W	Second	1 - 60
ECU Config	ECU Connect Time	GG	0268	Uint32	4	R W	Second	1 - 60
ECU Config	CAN Bus Eng Ctrl Param Transmit Enable	GG	0270	Uint32	4	R W	n/a	Disabled=0 Enabled=1
ECU Config	Requested MTU SMC Eng Operating Mode	GG	0272	Uint32	4	R W	n/a	1 - 2
ECU Config	SPN Conversion Method	GG	0274	Uint32	4	R W	n/a	1 - 4
ECU Config	Voltage Regulator CANbus type	GG	0276	Uint32	4	R W	n/a	None=0 Marathon=1 Basler=2 J1939=3
ECU Config	Voltage Regulator Primary Voltage Setpoint	GG	0278	Uint32	4	R W	Decivolt	1000 - 6000
ECU Config	Voltage Regulator Alternate Voltage Setpoint	GG	0280	Uint32	4	R W	Decivolt	1000 - 6000
ECU Config	Voltage Regulator Voltage Adjust Bandwidth	GG	0282	Uint32	4	R W	Centivolt	0 - 3000
ECU Config	Voltage Regulator Field Current	GG	0284	Uint32	4	R W	Milliamp	0 - 3000000
ECU Config	Voltage Regulator Primary Underfrequency Knee	GG	0286	Uint32	4	R W	Decihertz	400 - 700

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
ECU Config	Voltage Regulator Alternate Underfrequency Knee	GG	0288	Uint32	4	R W	Centiunit	400 - 700
ECU Config	Voltage Regulator Underfrequency Slope	GG	0290	Uint32	4	R W	n/a	100 - 500
ECU Config	ECU Comms Fail Pre-Alarm Enable	GG	0292	Uint32	4	R W	n/a	Disabled=0 Enabled=1
ECU Config	Active DTC Pre-Alarm Enable Data	GG	0294	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Auto Transfer Switch	Contact Input	GG	0296	Uint32	4	R W	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Auto Transfer Switch	Contact Recognition	GG	0298	Uint32	4	R W	n/a	Always=0 Engine Running=1
Auto Transfer Switch	Alarm Configuration	GG	0300	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Auto Transfer Switch	Activation Delay	GG	0302	Uint32	4	R W	Second	0 - 300
Grounded Delta Override	Contact Input	GG	0304	Uint32	4	R W	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Grounded Delta Override	Contact Recognition	GG	0306	Uint32	4	R W	n/a	Always=0 Engine Running=1
Grounded Delta Override	Alarm Configuration	GG	0308	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Grounded Delta Override	Activation Delay	GG	0310	Uint32	4	R W	Second	0 - 300
Battle Override	Contact Input	GG	0312	Uint32	4	R W	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Battle Override	Contact Recognition	GG	0314	Uint32	4	R W	n/a	Always=0 Engine Running=1
Battle Override	Alarm Configuration	GG	0316	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Battle Override	Activation Delay	GG	0318	Uint32	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Low-Line Override	Contact Input	GG	0320	Uint32	4	R W	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Low-Line Override	Contact Recognition	GG	0322	Uint32	4	R W	n/a	Always=0 Engine Running=1
Low-Line Override	Alarm Configuration	GG	0324	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Low-Line Override	Activation Delay	GG	0326	Uint32	4	R W	Second	0 - 300
Single-Phase AC Override	Contact Input	GG	0328	Uint32	4	R W	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Single-Phase AC Override	Contact Recognition	GG	0330	Uint32	4	R W	n/a	Always=0 Engine Running=1
Single-Phase AC Override	Alarm Configuration	GG	0332	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Single-Phase AC Override	Activation Delay	GG	0334	Uint32	4	R W	Second	0 - 300
Battery Charger Fail	Contact Input	GG	0336	Uint32	4	R W	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Battery Charger Fail	Contact Recognition	GG	0338	Uint32	4	R W	n/a	Always=0 Engine Running=1
Battery Charger Fail	Alarm Configuration	GG	0340	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Battery Charger Fail	Activation Delay	GG	0342	Uint32	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Low Coolant Level	Contact Input	GG	0344	Uint32	4	R W	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Low Coolant Level	Contact Recognition	GG	0346	Uint32	4	R W	n/a	Always=0 Engine Running=1
Low Coolant Level	Alarm Configuration	GG	0348	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Low Coolant Level	Activation Delay	GG	0350	Uint32	4	R W	Second	0 - 300
Fuel Leak Detect	Contact Input	GG	0352	Uint32	4	R W	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Fuel Leak Detect	Contact Recognition	GG	0354	Uint32	4	R W	n/a	Always=0 Engine Running=1
Fuel Leak Detect	Alarm Configuration	GG	0356	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Fuel Leak Detect	Activation Delay	GG	0358	Uint32	4	R W	Second	0 - 300
Emergency Stop	Contact Input	GG	0360	Uint32	4	R W	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Emergency Stop	Contact Recognition	GG	0362	Uint32	4	R W	n/a	Always=0 Engine Running=1
Emergency Stop	Alarm Configuration	GG	0364	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Emergency Stop	Activation Delay	GG	0366	Uint32	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Single-Phase Override	Contact Input	GG	0368	Uint32	4	R W	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Single-Phase Override	Contact Recognition	GG	0370	Uint32	4	R W	n/a	Always=0 Engine Running=1
Config Element 1	Contact Recognition	GG	0372	Uint32	4	R W	n/a	Always=0 Engine Running=1
Config Element 1	Alarm Configuration	GG	0374	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Element 1	Activation Delay	GG	0376	Uint32	4	R W	Second	0 - 300
Config Element 2	Contact Recognition	GG	0378	Uint32	4	R W	n/a	Always=0 Engine Running=1
Config Element 2	Alarm Configuration	GG	0380	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Element 2	Activation Delay	GG	0382	Uint32	4	R W	Second	0 - 300
Config Element 3	Contact Recognition	GG	0384	Uint32	4	R W	n/a	Always=0 Engine Running=1
Config Element 3	Alarm Configuration	GG	0386	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Element 3	Activation Delay	GG	0388	Uint32	4	R W	Second	0 - 300
Config Element 4	Contact Recognition	GG	0390	Uint32	4	R W	n/a	Always=0 Engine Running=1
Config Element 4	Alarm Configuration	GG	0392	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Element 4	Activation Delay	GG	0394	Uint32	4	R W	Second	0 - 300
Config Element 5	Contact Recognition	GG	0396	Uint32	4	R W	n/a	Always=0 Engine Running=1
Config Element 5	Alarm Configuration	GG	0398	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Element 5	Activation Delay	GG	0400	Uint32	4	R W	Second	0 - 300
Config Element 6	Contact Recognition	GG	0402	Uint32	4	R W	n/a	Always=0 Engine Running=1
Config Element 6	Alarm Configuration	GG	0404	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Element 6	Activation Delay	GG	0406	Uint32	4	R W	Second	0 - 300
Config Element 7	Contact Recognition	GG	0408	Uint32	4	R W	n/a	Always=0 Engine Running=1
Config Element 7	Alarm Configuration	GG	0410	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Element 7	Activation Delay	GG	0412	Uint32	4	R W	Second	0 - 300
Config Element 8	Contact Recognition	GG	0414	Uint32	4	R W	n/a	Always=0 Engine Running=1
Config Element 8	Alarm Configuration	GG	0416	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Element 8	Activation Delay	GG	0418	Uint32	4	R W	Second	0 - 300
Contact Input 1	Contact Recognition	GG	0420	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 1	Alarm Configuration	GG	0422	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 1	Activation Delay	GG	0424	Uint32	4	R W	Second	0 - 300
Contact Input 2	Contact Recognition	GG	0426	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 2	Alarm Configuration	GG	0428	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 2	Activation Delay	GG	0430	Uint32	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Contact Input 3	Contact Recognition	GG	0432	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 3	Alarm Configuration	GG	0434	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 3	Activation Delay	GG	0436	Uint32	4	R W	Second	0 - 300
Contact Input 4	Contact Recognition	GG	0438	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 4	Alarm Configuration	GG	0440	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 4	Activation Delay	GG	0442	Uint32	4	R W	Second	0 - 300
Contact Input 5	Contact Recognition	GG	0444	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 5	Alarm Configuration	GG	0446	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 5	Activation Delay	GG	0448	Uint32	4	R W	Second	0 - 300
Contact Input 6	Contact Recognition	GG	0450	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 6	Alarm Configuration	GG	0452	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 6	Activation Delay	GG	0454	Uint32	4	R W	Second	0 - 300
Contact Input 7	Contact Recognition	GG	0456	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 7	Alarm Configuration	GG	0458	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 7	Activation Delay	GG	0460	Uint32	4	R W	Second	0 - 300
Contact Input 8	Contact Recognition	GG	0462	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 8	Alarm Configuration	GG	0464	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 8	Activation Delay	GG	0466	Uint32	4	R W	Second	0 - 300
Contact Input 9	Contact Recognition	GG	0468	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 9	Alarm Configuration	GG	0470	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 9	Activation Delay	GG	0472	Uint32	4	R W	Second	0 - 300
Contact Input 10	Contact Recognition	GG	0474	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 10	Alarm Configuration	GG	0476	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 10	Activation Delay	GG	0478	Uint32	4	R W	Second	0 - 300
Contact Input 11	Contact Recognition	GG	0480	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 11	Alarm Configuration	GG	0482	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 11	Activation Delay	GG	0484	Uint32	4	R W	Second	0 - 300
Contact Input 12	Contact Recognition	GG	0486	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 12	Alarm Configuration	GG	0488	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 12	Activation Delay	GG	0490	Uint32	4	R W	Second	0 - 300
Contact Input 13	Contact Recognition	GG	0492	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 13	Alarm Configuration	GG	0494	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 13	Activation Delay	GG	0496	Uint32	4	R W	Second	0 - 300
Contact Input 14	Contact Recognition	GG	0498	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 14	Alarm Configuration	GG	0500	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 14	Activation Delay	GG	0502	Uint32	4	R W	Second	0 - 300
Contact Input 15	Contact Recognition	GG	0504	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 15	Alarm Configuration	GG	0506	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 15	Activation Delay	GG	0508	Uint32	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Contact Input 16	Contact Recognition	GG	0510	Uint32	4	R W	n/a	Always=0 Engine Running=1
Contact Input 16	Alarm Configuration	GG	0512	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Contact Input 16	Activation Delay	GG	0514	Uint32	4	R W	Second	0 - 300
CEM 1 Contact Input 1	Contact Recognition	GG	0516	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 1	Alarm Configuration	GG	0518	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 1 Contact Input 1	Activation Delay	GG	0520	Uint32	4	R W	Second	0 - 300
CEM 1 Contact Input 2	Contact Recognition	GG	0522	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 2	Alarm Configuration	GG	0524	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 1 Contact Input 2	Activation Delay	GG	0526	Uint32	4	R W	Second	0 - 300
CEM 1 Contact Input 3	Contact Recognition	GG	0528	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 3	Alarm Configuration	GG	0530	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 1 Contact Input 3	Activation Delay	GG	0532	Uint32	4	R W	Second	0 - 300
CEM 1 Contact Input 4	Contact Recognition	GG	0534	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 4	Alarm Configuration	GG	0536	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 1 Contact Input 4	Activation Delay	GG	0538	Uint32	4	R W	Second	0 - 300
CEM 1 Contact Input 5	Contact Recognition	GG	0540	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 5	Alarm Configuration	GG	0542	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 1 Contact Input 5	Activation Delay	GG	0544	Uint32	4	R W	Second	0 - 300
CEM 1 Contact Input 6	Contact Recognition	GG	0546	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 6	Alarm Configuration	GG	0548	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 1 Contact Input 6	Activation Delay	GG	0550	Uint32	4	R W	Second	0 - 300
CEM 1 Contact Input 7	Contact Recognition	GG	0552	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 7	Alarm Configuration	GG	0554	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 1 Contact Input 7	Activation Delay	GG	0556	Uint32	4	R W	Second	0 - 300
CEM 1 Contact Input 8	Contact Recognition	GG	0558	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 8	Alarm Configuration	GG	0560	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 1 Contact Input 8	Activation Delay	GG	0562	Uint32	4	R W	Second	0 - 300
CEM 1 Contact Input 9	Contact Recognition	GG	0564	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 9	Alarm Configuration	GG	0566	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 1 Contact Input 9	Activation Delay	GG	0568	Uint32	4	R W	Second	0 - 300
CEM 1 Contact Input 10	Contact Recognition	GG	0570	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 10	Alarm Configuration	GG	0572	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 1 Contact Input 10	Activation Delay	GG	0574	Uint32	4	R W	Second	0 - 300
CEM 2 Contact Input 1	Contact Recognition	GG	0576	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 1	Alarm Configuration	GG	0578	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 2 Contact Input 1	Activation Delay	GG	0580	Uint32	4	R W	Second	0 - 300
CEM 2 Contact Input 2	Contact Recognition	GG	0582	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 2	Alarm Configuration	GG	0584	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 2 Contact Input 2	Activation Delay	GG	0586	Uint32	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
CEM 2 Contact Input 3	Contact Recognition	GG	0588	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 3	Alarm Configuration	GG	0590	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 2 Contact Input 3	Activation Delay	GG	0592	Uint32	4	R W	Second	0 - 300
CEM 2 Contact Input 4	Contact Recognition	GG	0594	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 4	Alarm Configuration	GG	0596	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 2 Contact Input 4	Activation Delay	GG	0598	Uint32	4	R W	Second	0 - 300
CEM 2 Contact Input 5	Contact Recognition	GG	0600	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 5	Alarm Configuration	GG	0602	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 2 Contact Input 5	Activation Delay	GG	0604	Uint32	4	R W	Second	0 - 300
CEM 2 Contact Input 6	Contact Recognition	GG	0606	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 6	Alarm Configuration	GG	0608	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 2 Contact Input 6	Activation Delay	GG	0610	Uint32	4	R W	Second	0 - 300
CEM 2 Contact Input 7	Contact Recognition	GG	0612	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 7	Alarm Configuration	GG	0614	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 2 Contact Input 7	Activation Delay	GG	0616	Uint32	4	R W	Second	0 - 300
CEM 2 Contact Input 8	Contact Recognition	GG	0618	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 8	Alarm Configuration	GG	0620	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 2 Contact Input 8	Activation Delay	GG	0622	Uint32	4	R W	Second	0 - 300
CEM 2 Contact Input 9	Contact Recognition	GG	0624	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 9	Alarm Configuration	GG	0626	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 2 Contact Input 9	Activation Delay	GG	0628	Uint32	4	R W	Second	0 - 300
CEM 2 Contact Input 10	Contact Recognition	GG	0630	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 10	Alarm Configuration	GG	0632	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 2 Contact Input 10	Activation Delay	GG	0634	Uint32	4	R W	Second	0 - 300
CEM 3 Contact Input 1	Contact Recognition	GG	0636	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 1	Alarm Configuration	GG	0638	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 3 Contact Input 1	Activation Delay	GG	0640	Uint32	4	R W	Second	0 - 300
CEM 3 Contact Input 2	Contact Recognition	GG	0642	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 2	Alarm Configuration	GG	0644	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 3 Contact Input 2	Activation Delay	GG	0646	Uint32	4	R W	Second	0 - 300
CEM 3 Contact Input 3	Contact Recognition	GG	0648	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 3	Alarm Configuration	GG	0650	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 3 Contact Input 3	Activation Delay	GG	0652	Uint32	4	R W	Second	0 - 300
CEM 3 Contact Input 4	Contact Recognition	GG	0654	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 4	Alarm Configuration	GG	0656	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 3 Contact Input 4	Activation Delay	GG	0658	Uint32	4	R W	Second	0 - 300
CEM 3 Contact Input 5	Contact Recognition	GG	0660	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 5	Alarm Configuration	GG	0662	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 3 Contact Input 5	Activation Delay	GG	0664	Uint32	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
CEM 3 Contact Input 6	Contact Recognition	GG	0666	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 6	Alarm Configuration	GG	0668	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 3 Contact Input 6	Activation Delay	GG	0670	Uint32	4	R W	Second	0 - 300
CEM 3 Contact Input 7	Contact Recognition	GG	0672	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 7	Alarm Configuration	GG	0674	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 3 Contact Input 7	Activation Delay	GG	0676	Uint32	4	R W	Second	0 - 300
CEM 3 Contact Input 8	Contact Recognition	GG	0678	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 8	Alarm Configuration	GG	0680	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 3 Contact Input 8	Activation Delay	GG	0682	Uint32	4	R W	Second	0 - 300
CEM 3 Contact Input 9	Contact Recognition	GG	0684	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 9	Alarm Configuration	GG	0686	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 3 Contact Input 9	Activation Delay	GG	0688	Uint32	4	R W	Second	0 - 300
CEM 3 Contact Input 10	Contact Recognition	GG	0690	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 10	Alarm Configuration	GG	0692	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 3 Contact Input 10	Activation Delay	GG	0694	Uint32	4	R W	Second	0 - 300
CEM 4 Contact Input 1	Contact Recognition	GG	0696	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 1	Alarm Configuration	GG	0698	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 4 Contact Input 1	Activation Delay	GG	0700	Uint32	4	R W	Second	0 - 300
CEM 4 Contact Input 2	Contact Recognition	GG	0702	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 2	Alarm Configuration	GG	0704	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 4 Contact Input 2	Activation Delay	GG	0706	Uint32	4	R W	Second	0 - 300
CEM 4 Contact Input 3	Contact Recognition	GG	0708	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 3	Alarm Configuration	GG	0710	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 4 Contact Input 3	Activation Delay	GG	0712	Uint32	4	R W	Second	0 - 300
CEM 4 Contact Input 4	Contact Recognition	GG	0714	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 4	Alarm Configuration	GG	0716	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 4 Contact Input 4	Activation Delay	GG	0718	Uint32	4	R W	Second	0 - 300
CEM 4 Contact Input 5	Contact Recognition	GG	0720	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 5	Alarm Configuration	GG	0722	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 4 Contact Input 5	Activation Delay	GG	0724	Uint32	4	R W	Second	0 - 300
CEM 4 Contact Input 6	Contact Recognition	GG	0726	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 6	Alarm Configuration	GG	0728	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 4 Contact Input 6	Activation Delay	GG	0730	Uint32	4	R W	Second	0 - 300
CEM 4 Contact Input 7	Contact Recognition	GG	0732	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 7	Alarm Configuration	GG	0734	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 4 Contact Input 7	Activation Delay	GG	0736	Uint32	4	R W	Second	0 - 300
CEM 4 Contact Input 8	Contact Recognition	GG	0738	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 8	Alarm Configuration	GG	0740	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 4 Contact Input 8	Activation Delay	GG	0742	Uint32	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
CEM 4 Contact Input 9	Contact Recognition	GG	0744	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 9	Alarm Configuration	GG	0746	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 4 Contact Input 9	Activation Delay	GG	0748	Uint32	4	R W	Second	0 - 300
CEM 4 Contact Input 10	Contact Recognition	GG	0750	Uint32	4	R W	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 10	Alarm Configuration	GG	0752	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
CEM 4 Contact Input 10	Activation Delay	GG	0754	Uint32	4	R W	Second	0 - 300
Auto Config Detect	Enable	GG	0756	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Auto Config Detect	Single-Phase Detection Threshold	GG	0758	Float	4	R W	Volt	0 - 480
Auto Config Detect	Single-Phase Detection Gen Connection	GG	0760	Uint32	4	R W	n/a	AB=0 AC=1
Auto Config Detect	Low-Line Detection Threshold	GG	0762	Float	4	R W	Volt	0 - 480

Binary Points

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Scale Factor Override	Alternate Frequency Override	1000	0	Uint16	2	R	False=0 True=1
Reserved		1000	1				
System Data	Logic 0	1000	2	Uint16	2	R	False=0 True=1
System Data	Logic 1	1000	3	Uint16	2	R	False=0 True=1
Alarms	Real-Time Clock Alarm	1000	4	Uint16	2	R	False=0 True=1
Alarms	Date/Time Set Alarm	1000	5	Uint16	2	R	False=0 True=1
Alarms	Firmware Change Alarm	1000	6	Uint16	2	R	False=0 True=1
Alarms	Frequency Out-of-Range Alarm	1000	7	Uint16	2	R	False=0 True=1
Alarms	Ethernet Link 1 Lost Alarm	1000	8	Uint16	2	R	False=0 True=1
Alarms	Ethernet Link 2 Lost Alarm	1000	9	Uint16	2	R	False=0 True=1
Alarms	USB COM Alarm	1000	10	Uint16	2	R	False=0 True=1
Alarms	IRIG Sync Lost Alarm	1000	11	Uint16	2	R	False=0 True=1
Alarms	Logic = None Alarm	1000	12	Uint16	2	R	False=0 True=1
Alarms	No User Setting Alarm	1000	13	Uint16	2	R	False=0 True=1
Alarms	NTP Sync Lost Alarm	1000	14	Uint16	2	R	False=0 True=1
Alarms	uP Reset Alarm	1000	15	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 1	1001	0	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 2	1001	1	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 3	1001	2	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 4	1001	3	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 5	1001	4	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 6	1001	5	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 7	1001	6	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 8	1001	7	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 9	1001	8	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 10	1001	9	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 11	1001	10	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 12	1001	11	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 13	1001	12	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 14	1001	13	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 15	1001	14	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 16	1001	15	Uint16	2	R	False=0 True=1
Alarms	Unsupported Number of AEMs	1002	0	Uint16	2	R	False=0 True=1
Alarms	Unsupported Number of CEMs	1002	1	Uint16	2	R	False=0 True=1
Alarms	Logic Alarm	1002	2	Uint16	2	R	False=0 True=1
Alarms	Logic Pre-Alarm	1002	3	Uint16	2	R	False=0 True=1
Alarms	Global Sender Fail Alarm	1002	4	Uint16	2	R	False=0 True=1
Alarms	Clock Not Set Alarm	1002	5	Uint16	2	R	False=0 True=1
Alarms	Clock Battery Low Alarm	1002	6	Uint16	2	R	False=0 True=1
Alarm Report	Alarm Output	1002	7	Uint16	2	R	False=0 True=1
Pre-Alarm Report	Alarm Output	1002	8	Uint16	2	R	False=0 True=1
Contact Outputs	Output 1	1002	9	Uint16	2	R	False=0 True=1
Contact Outputs	Output 2	1002	10	Uint16	2	R	False=0 True=1
Contact Outputs	Output 3	1002	11	Uint16	2	R	False=0 True=1
Contact Outputs	Output 4	1002	12	Uint16	2	R	False=0 True=1
Contact Outputs	Output 5	1002	13	Uint16	2	R	False=0 True=1
Contact Outputs	Output 6	1002	14	Uint16	2	R	False=0 True=1
Contact Outputs	Output 7	1002	15	Uint16	2	R	False=0 True=1
Contact Outputs	Output 8	1003	0	Uint16	2	R	False=0 True=1
Contact Outputs	Output 9	1003	1	Uint16	2	R	False=0 True=1
Contact Outputs	Output 10	1003	2	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Contact Outputs	Output 11	1003	3	Uint16	2	R	False=0 True=1
Contact Outputs	Output 12	1003	4	Uint16	2	R	False=0 True=1
Contact Outputs	Preheat Prelube Relay	1003	5	Uint16	2	R	False=0 True=1
Contact Outputs	Fuel Solenoid Relay	1003	6	Uint16	2	R	False=0 True=1
Contact Outputs	Master Start Relay	1003	7	Uint16	2	R	False=0 True=1
Virtual Switch	Virtual Switch 1	1003	8	Uint16	2	R	False=0 True=1
Virtual Switch	Virtual Switch 2	1003	9	Uint16	2	R	False=0 True=1
Virtual Switch	Virtual Switch 3	1003	10	Uint16	2	R	False=0 True=1
Virtual Switch	Virtual Switch 4	1003	11	Uint16	2	R	False=0 True=1
Virtual Switch	Virtual Switch 5	1003	12	Uint16	2	R	False=0 True=1
Virtual Switch	Virtual Switch 6	1003	13	Uint16	2	R	False=0 True=1
Buzzer	Alarm Silence Active	1003	14	Uint16	2	R	False=0 True=1
Power Meter	PF Lagging	1003	15	Uint16	2	R	False=0 True=1
Power Meter 2	PF Lagging	1004	0	Uint16	2	R	False=0 True=1
Power Meter 3	PF Lagging	1004	1	Uint16	2	R	False=0 True=1
27P-1	Block	1004	2	Uint16	2	R	False=0 True=1
27P-1	Pickup	1004	3	Uint16	2	R	False=0 True=1
27P-1	Trip	1004	4	Uint16	2	R	False=0 True=1
27P-1	Pre-Alarm	1004	5	Uint16	2	R	False=0 True=1
27P-1	Alarm	1004	6	Uint16	2	R	False=0 True=1
27P-2	Block	1004	7	Uint16	2	R	False=0 True=1
27P-2	Pickup	1004	8	Uint16	2	R	False=0 True=1
27P-2	Trip	1004	9	Uint16	2	R	False=0 True=1
27P-2	Pre-Alarm	1004	10	Uint16	2	R	False=0 True=1
27P-2	Alarm	1004	11	Uint16	2	R	False=0 True=1
27P-3	Block	1004	12	Uint16	2	R	False=0 True=1
27P-3	Pickup	1004	13	Uint16	2	R	False=0 True=1
27P-3	Trip	1004	14	Uint16	2	R	False=0 True=1
27P-3	Pre-Alarm	1004	15	Uint16	2	R	False=0 True=1
27P-3	Alarm	1005	0	Uint16	2	R	False=0 True=1
27P-4	Block	1005	1	Uint16	2	R	False=0 True=1
27P-4	Pickup	1005	2	Uint16	2	R	False=0 True=1
27P-4	Trip	1005	3	Uint16	2	R	False=0 True=1
27P-4	Pre-Alarm	1005	4	Uint16	2	R	False=0 True=1
27P-4	Alarm	1005	5	Uint16	2	R	False=0 True=1
27P-5	Block	1005	6	Uint16	2	R	False=0 True=1
27P-5	Pickup	1005	7	Uint16	2	R	False=0 True=1
27P-5	Trip	1005	8	Uint16	2	R	False=0 True=1
27P-5	Pre-Alarm	1005	9	Uint16	2	R	False=0 True=1
27P-5	Alarm	1005	10	Uint16	2	R	False=0 True=1
27P-6	Block	1005	11	Uint16	2	R	False=0 True=1
27P-6	Pickup	1005	12	Uint16	2	R	False=0 True=1
27P-6	Trip	1005	13	Uint16	2	R	False=0 True=1
27P-6	Pre-Alarm	1005	14	Uint16	2	R	False=0 True=1
27P-6	Alarm	1005	15	Uint16	2	R	False=0 True=1
59P-1	Block	1006	0	Uint16	2	R	False=0 True=1
59P-1	Pickup	1006	1	Uint16	2	R	False=0 True=1
59P-1	Trip	1006	2	Uint16	2	R	False=0 True=1
59P-1	Pre-Alarm	1006	3	Uint16	2	R	False=0 True=1
59P-1	Alarm	1006	4	Uint16	2	R	False=0 True=1
59P-2	Block	1006	5	Uint16	2	R	False=0 True=1
59P-2	Pickup	1006	6	Uint16	2	R	False=0 True=1
59P-2	Trip	1006	7	Uint16	2	R	False=0 True=1
59P-2	Pre-Alarm	1006	8	Uint16	2	R	False=0 True=1
59P-2	Alarm	1006	9	Uint16	2	R	False=0 True=1
59P-3	Block	1006	10	Uint16	2	R	False=0 True=1
59P-3	Pickup	1006	11	Uint16	2	R	False=0 True=1
59P-3	Trip	1006	12	Uint16	2	R	False=0 True=1
59P-3	Pre-Alarm	1006	13	Uint16	2	R	False=0 True=1
59P-3	Alarm	1006	14	Uint16	2	R	False=0 True=1
59P-4	Block	1006	15	Uint16	2	R	False=0 True=1
59P-4	Pickup	1007	0	Uint16	2	R	False=0 True=1
59P-4	Trip	1007	1	Uint16	2	R	False=0 True=1
59P-4	Pre-Alarm	1007	2	Uint16	2	R	False=0 True=1
59P-4	Alarm	1007	3	Uint16	2	R	False=0 True=1
59P-5	Block	1007	4	Uint16	2	R	False=0 True=1
59P-5	Pickup	1007	5	Uint16	2	R	False=0 True=1
59P-5	Trip	1007	6	Uint16	2	R	False=0 True=1
59P-5	Pre-Alarm	1007	7	Uint16	2	R	False=0 True=1
59P-5	Alarm	1007	8	Uint16	2	R	False=0 True=1
59P-6	Block	1007	9	Uint16	2	R	False=0 True=1
59P-6	Pickup	1007	10	Uint16	2	R	False=0 True=1
59P-6	Trip	1007	11	Uint16	2	R	False=0 True=1
59P-6	Pre-Alarm	1007	12	Uint16	2	R	False=0 True=1
59P-6	Alarm	1007	13	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
47-1	Block	1007	14	Uint16	2	R	False=0 True=1
47-1	Pickup	1007	15	Uint16	2	R	False=0 True=1
47-1	Trip	1008	0	Uint16	2	R	False=0 True=1
47-1	Pre-Alarm	1008	1	Uint16	2	R	False=0 True=1
47-1	Alarm	1008	2	Uint16	2	R	False=0 True=1
47-2	Block	1008	3	Uint16	2	R	False=0 True=1
47-2	Pickup	1008	4	Uint16	2	R	False=0 True=1
47-2	Trip	1008	5	Uint16	2	R	False=0 True=1
47-2	Pre-Alarm	1008	6	Uint16	2	R	False=0 True=1
47-2	Alarm	1008	7	Uint16	2	R	False=0 True=1
47-3	Block	1008	8	Uint16	2	R	False=0 True=1
47-3	Pickup	1008	9	Uint16	2	R	False=0 True=1
47-3	Trip	1008	10	Uint16	2	R	False=0 True=1
47-3	Pre-Alarm	1008	11	Uint16	2	R	False=0 True=1
47-3	Alarm	1008	12	Uint16	2	R	False=0 True=1
47-4	Block	1008	13	Uint16	2	R	False=0 True=1
47-4	Pickup	1008	14	Uint16	2	R	False=0 True=1
47-4	Trip	1008	15	Uint16	2	R	False=0 True=1
47-4	Pre-Alarm	1009	0	Uint16	2	R	False=0 True=1
47-4	Alarm	1009	1	Uint16	2	R	False=0 True=1
47-5	Block	1009	2	Uint16	2	R	False=0 True=1
47-5	Pickup	1009	3	Uint16	2	R	False=0 True=1
47-5	Trip	1009	4	Uint16	2	R	False=0 True=1
47-5	Pre-Alarm	1009	5	Uint16	2	R	False=0 True=1
47-5	Alarm	1009	6	Uint16	2	R	False=0 True=1
47-6	Block	1009	7	Uint16	2	R	False=0 True=1
47-6	Pickup	1009	8	Uint16	2	R	False=0 True=1
47-6	Trip	1009	9	Uint16	2	R	False=0 True=1
47-6	Pre-Alarm	1009	10	Uint16	2	R	False=0 True=1
47-6	Alarm	1009	11	Uint16	2	R	False=0 True=1
81-1	Block	1009	12	Uint16	2	R	False=0 True=1
81-1	Pickup	1009	13	Uint16	2	R	False=0 True=1
81-1	Trip	1009	14	Uint16	2	R	False=0 True=1
81-1	Pre-Alarm	1009	15	Uint16	2	R	False=0 True=1
81-1	Alarm	1010	0	Uint16	2	R	False=0 True=1
81-2	Block	1010	1	Uint16	2	R	False=0 True=1
81-2	Pickup	1010	2	Uint16	2	R	False=0 True=1
81-2	Trip	1010	3	Uint16	2	R	False=0 True=1
81-2	Pre-Alarm	1010	4	Uint16	2	R	False=0 True=1
81-2	Alarm	1010	5	Uint16	2	R	False=0 True=1
81-3	Block	1010	6	Uint16	2	R	False=0 True=1
81-3	Pickup	1010	7	Uint16	2	R	False=0 True=1
81-3	Trip	1010	8	Uint16	2	R	False=0 True=1
81-3	Pre-Alarm	1010	9	Uint16	2	R	False=0 True=1
81-3	Alarm	1010	10	Uint16	2	R	False=0 True=1
81-4	Block	1010	11	Uint16	2	R	False=0 True=1
81-4	Pickup	1010	12	Uint16	2	R	False=0 True=1
81-4	Trip	1010	13	Uint16	2	R	False=0 True=1
81-4	Pre-Alarm	1010	14	Uint16	2	R	False=0 True=1
81-4	Alarm	1010	15	Uint16	2	R	False=0 True=1
81-5	Block	1011	0	Uint16	2	R	False=0 True=1
81-5	Pickup	1011	1	Uint16	2	R	False=0 True=1
81-5	Trip	1011	2	Uint16	2	R	False=0 True=1
81-5	Pre-Alarm	1011	3	Uint16	2	R	False=0 True=1
81-5	Alarm	1011	4	Uint16	2	R	False=0 True=1
81-6	Block	1011	5	Uint16	2	R	False=0 True=1
81-6	Pickup	1011	6	Uint16	2	R	False=0 True=1
81-6	Trip	1011	7	Uint16	2	R	False=0 True=1
81-6	Pre-Alarm	1011	8	Uint16	2	R	False=0 True=1
81-6	Alarm	1011	9	Uint16	2	R	False=0 True=1
81-7	Block	1011	10	Uint16	2	R	False=0 True=1
81-7	Pickup	1011	11	Uint16	2	R	False=0 True=1
81-7	Trip	1011	12	Uint16	2	R	False=0 True=1
81-7	Pre-Alarm	1011	13	Uint16	2	R	False=0 True=1
81-7	Alarm	1011	14	Uint16	2	R	False=0 True=1
81-8	Block	1011	15	Uint16	2	R	False=0 True=1
81-8	Pickup	1012	0	Uint16	2	R	False=0 True=1
81-8	Trip	1012	1	Uint16	2	R	False=0 True=1
81-8	Pre-Alarm	1012	2	Uint16	2	R	False=0 True=1
81-8	Alarm	1012	3	Uint16	2	R	False=0 True=1
40Q-1	Block	1012	4	Uint16	2	R	False=0 True=1
40Q-1	Pickup	1012	5	Uint16	2	R	False=0 True=1
40Q-1	Trip	1012	6	Uint16	2	R	False=0 True=1
40Q-1	Pre-Alarm	1012	7	Uint16	2	R	False=0 True=1
40Q-1	Alarm	1012	8	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
40Q-2	Block	1012	9	Uint16	2	R	False=0 True=1
40Q-2	Pickup	1012	10	Uint16	2	R	False=0 True=1
40Q-2	Trip	1012	11	Uint16	2	R	False=0 True=1
40Q-2	Pre-Alarm	1012	12	Uint16	2	R	False=0 True=1
40Q-2	Alarm	1012	13	Uint16	2	R	False=0 True=1
32-1	Block	1012	14	Uint16	2	R	False=0 True=1
32-1	Pickup	1012	15	Uint16	2	R	False=0 True=1
32-1	Trip	1013	0	Uint16	2	R	False=0 True=1
32-1	Pre-Alarm	1013	1	Uint16	2	R	False=0 True=1
32-1	Alarm	1013	2	Uint16	2	R	False=0 True=1
32-2	Block	1013	3	Uint16	2	R	False=0 True=1
32-2	Pickup	1013	4	Uint16	2	R	False=0 True=1
32-2	Trip	1013	5	Uint16	2	R	False=0 True=1
32-2	Pre-Alarm	1013	6	Uint16	2	R	False=0 True=1
32-2	Alarm	1013	7	Uint16	2	R	False=0 True=1
32-3	Block	1013	8	Uint16	2	R	False=0 True=1
32-3	Pickup	1013	9	Uint16	2	R	False=0 True=1
32-3	Trip	1013	10	Uint16	2	R	False=0 True=1
32-3	Pre-Alarm	1013	11	Uint16	2	R	False=0 True=1
32-3	Alarm	1013	12	Uint16	2	R	False=0 True=1
32-4	Block	1013	13	Uint16	2	R	False=0 True=1
32-4	Pickup	1013	14	Uint16	2	R	False=0 True=1
32-4	Trip	1013	15	Uint16	2	R	False=0 True=1
32-4	Pre-Alarm	1014	0	Uint16	2	R	False=0 True=1
32-4	Alarm	1014	1	Uint16	2	R	False=0 True=1
32-5	Block	1014	2	Uint16	2	R	False=0 True=1
32-5	Pickup	1014	3	Uint16	2	R	False=0 True=1
32-5	Trip	1014	4	Uint16	2	R	False=0 True=1
32-5	Pre-Alarm	1014	5	Uint16	2	R	False=0 True=1
32-5	Alarm	1014	6	Uint16	2	R	False=0 True=1
32-6	Block	1014	7	Uint16	2	R	False=0 True=1
32-6	Pickup	1014	8	Uint16	2	R	False=0 True=1
32-6	Trip	1014	9	Uint16	2	R	False=0 True=1
32-6	Pre-Alarm	1014	10	Uint16	2	R	False=0 True=1
32-6	Alarm	1014	11	Uint16	2	R	False=0 True=1
51-1	Block	1014	12	Uint16	2	R	False=0 True=1
51-1	Pickup	1014	13	Uint16	2	R	False=0 True=1
51-1	Trip	1014	14	Uint16	2	R	False=0 True=1
51-1	Pre-Alarm	1014	15	Uint16	2	R	False=0 True=1
51-1	Alarm	1015	0	Uint16	2	R	False=0 True=1
51-2	Block	1015	1	Uint16	2	R	False=0 True=1
51-2	Pickup	1015	2	Uint16	2	R	False=0 True=1
51-2	Trip	1015	3	Uint16	2	R	False=0 True=1
51-2	Pre-Alarm	1015	4	Uint16	2	R	False=0 True=1
51-2	Alarm	1015	5	Uint16	2	R	False=0 True=1
51-3	Block	1015	6	Uint16	2	R	False=0 True=1
51-3	Pickup	1015	7	Uint16	2	R	False=0 True=1
51-3	Trip	1015	8	Uint16	2	R	False=0 True=1
51-3	Pre-Alarm	1015	9	Uint16	2	R	False=0 True=1
51-3	Alarm	1015	10	Uint16	2	R	False=0 True=1
51-4	Block	1015	11	Uint16	2	R	False=0 True=1
51-4	Pickup	1015	12	Uint16	2	R	False=0 True=1
51-4	Trip	1015	13	Uint16	2	R	False=0 True=1
51-4	Pre-Alarm	1015	14	Uint16	2	R	False=0 True=1
51-4	Alarm	1015	15	Uint16	2	R	False=0 True=1
51-5	Block	1016	0	Uint16	2	R	False=0 True=1
51-5	Pickup	1016	1	Uint16	2	R	False=0 True=1
51-5	Trip	1016	2	Uint16	2	R	False=0 True=1
51-5	Pre-Alarm	1016	3	Uint16	2	R	False=0 True=1
51-5	Alarm	1016	4	Uint16	2	R	False=0 True=1
51-6	Block	1016	5	Uint16	2	R	False=0 True=1
51-6	Pickup	1016	6	Uint16	2	R	False=0 True=1
51-6	Trip	1016	7	Uint16	2	R	False=0 True=1
51-6	Pre-Alarm	1016	8	Uint16	2	R	False=0 True=1
51-6	Alarm	1016	9	Uint16	2	R	False=0 True=1
78-1	Block	1016	10	Uint16	2	R	False=0 True=1
78-1	Pickup	1016	11	Uint16	2	R	False=0 True=1
78-1	Trip	1016	12	Uint16	2	R	False=0 True=1
78-1	Pre-Alarm	1016	13	Uint16	2	R	False=0 True=1
78-1	Alarm	1016	14	Uint16	2	R	False=0 True=1
78-2	Block	1016	15	Uint16	2	R	False=0 True=1
78-2	Pickup	1017	0	Uint16	2	R	False=0 True=1
78-2	Trip	1017	1	Uint16	2	R	False=0 True=1
78-2	Pre-Alarm	1017	2	Uint16	2	R	False=0 True=1
78-2	Alarm	1017	3	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 1	RTD Input 4 Out-of-Range	1026	10	Uint16	2	R	False=0 True=1
AEM 1	RTD Input 4 Out-of-Range Pre-Alarm	1026	11	Uint16	2	R	False=0 True=1
AEM 1	RTD Input 4 Out-of-Range Alarm	1026	12	Uint16	2	R	False=0 True=1
AEM 1	RTD Input 5 Out-of-Range	1026	13	Uint16	2	R	False=0 True=1
AEM 1	RTD Input 5 Out-of-Range Pre-Alarm	1026	14	Uint16	2	R	False=0 True=1
AEM 1	RTD Input 5 Out-of-Range Alarm	1026	15	Uint16	2	R	False=0 True=1
AEM 1	RTD Input 6 Out-of-Range	1027	0	Uint16	2	R	False=0 True=1
AEM 1	RTD Input 6 Out-of-Range Pre-Alarm	1027	1	Uint16	2	R	False=0 True=1
AEM 1	RTD Input 6 Out-of-Range Alarm	1027	2	Uint16	2	R	False=0 True=1
AEM 1	RTD Input 7 Out-of-Range	1027	3	Uint16	2	R	False=0 True=1
AEM 1	RTD Input 7 Out-of-Range Pre-Alarm	1027	4	Uint16	2	R	False=0 True=1
AEM 1	RTD Input 7 Out-of-Range Alarm	1027	5	Uint16	2	R	False=0 True=1
AEM 1	RTD Input 8 Out-of-Range	1027	6	Uint16	2	R	False=0 True=1
AEM 1	RTD Input 8 Out-of-Range Pre-Alarm	1027	7	Uint16	2	R	False=0 True=1
AEM 1	RTD Input 8 Out-of-Range Alarm	1027	8	Uint16	2	R	False=0 True=1
AEM 1	Thermalcouple 1 Out-of-Range	1027	9	Uint16	2	R	False=0 True=1
AEM 1	Thermalcouple 1 Out-of-Range Pre-Alarm	1027	10	Uint16	2	R	False=0 True=1
AEM 1	Thermalcouple 1 Out-of-Range Alarm	1027	11	Uint16	2	R	False=0 True=1
AEM 1	Thermalcouple 2 Out-of-Range	1027	12	Uint16	2	R	False=0 True=1
AEM 1	Thermalcouple 2 Out-of-Range Pre-Alarm	1027	13	Uint16	2	R	False=0 True=1
AEM 1	Thermalcouple 2 Out-of-Range Alarm	1027	14	Uint16	2	R	False=0 True=1
AEM 1	Output 1 Out-of-Range	1027	15	Uint16	2	R	False=0 True=1
AEM 1	Output 1 Out-of-Range Pre-Alarm	1028	0	Uint16	2	R	False=0 True=1
AEM 1	Output 1 Out-of-Range Alarm	1028	1	Uint16	2	R	False=0 True=1
AEM 1	Output 2 Out-of-Range	1028	2	Uint16	2	R	False=0 True=1
AEM 1	Output 2 Out-of-Range Pre-Alarm	1028	3	Uint16	2	R	False=0 True=1
AEM 1	Output 2 Out-of-Range Alarm	1028	4	Uint16	2	R	False=0 True=1
AEM 1	Output 3 Out-of-Range	1028	5	Uint16	2	R	False=0 True=1
AEM 1	Output 3 Out-of-Range Pre-Alarm	1028	6	Uint16	2	R	False=0 True=1
AEM 1	Output 3 Out-of-Range Alarm	1028	7	Uint16	2	R	False=0 True=1
AEM 1	Output 4 Out-of-Range	1028	8	Uint16	2	R	False=0 True=1
AEM 1	Output 4 Out-of-Range Pre-Alarm	1028	9	Uint16	2	R	False=0 True=1
AEM 1	Output 4 Out-of-Range Alarm	1028	10	Uint16	2	R	False=0 True=1
AEM 1	Not Configured	1028	11	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 1 Trip	1028	12	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 1 Pre-Alarm	1028	13	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 1 Alarm	1028	14	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 2 Trip	1028	15	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 2 Pre-Alarm	1029	0	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 2 Alarm	1029	1	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 3 Trip	1029	2	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 3 Pre-Alarm	1029	3	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 3 Alarm	1029	4	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 4 Trip	1029	5	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 4 Pre-Alarm	1029	6	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 4 Alarm	1029	7	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 1 Trip	1029	8	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 1 Pre-Alarm	1029	9	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 1 Alarm	1029	10	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 2 Trip	1029	11	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 2 Pre-Alarm	1029	12	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 2 Alarm	1029	13	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 3 Trip	1029	14	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 3 Pre-Alarm	1029	15	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 3 Alarm	1030	0	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 4 Trip	1030	1	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 4 Pre-Alarm	1030	2	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 4 Alarm	1030	3	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 1 Trip	1030	4	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 1 Pre-Alarm	1030	5	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 1 Alarm	1030	6	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 2 Trip	1030	7	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 2 Pre-Alarm	1030	8	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 2 Alarm	1030	9	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 3 Trip	1030	10	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 3 Pre-Alarm	1030	11	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 3 Alarm	1030	12	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 4 Trip	1030	13	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 4 Pre-Alarm	1030	14	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 4 Alarm	1030	15	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 1 Trip	1031	0	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 1 Pre-Alarm	1031	1	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 1 Alarm	1031	2	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 2 Trip	1031	3	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 2 Pre-Alarm	1031	4	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 1 Protection 4	Threshold 2 Alarm	1031	5	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 3 Trip	1031	6	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 3 Pre-Alarm	1031	7	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 3 Alarm	1031	8	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 4 Trip	1031	9	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 4 Pre-Alarm	1031	10	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 4 Alarm	1031	11	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 1 Trip	1031	12	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 1 Pre-Alarm	1031	13	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 1 Alarm	1031	14	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 2 Trip	1031	15	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 2 Pre-Alarm	1032	0	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 2 Alarm	1032	1	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 3 Trip	1032	2	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 3 Pre-Alarm	1032	3	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 3 Alarm	1032	4	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 4 Trip	1032	5	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 4 Pre-Alarm	1032	6	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 4 Alarm	1032	7	Uint16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 1 Trip	1032	8	Uint16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 1 Pre-Alarm	1032	9	Uint16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 1 Alarm	1032	10	Uint16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 2 Trip	1032	11	Uint16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 2 Pre-Alarm	1032	12	Uint16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 2 Alarm	1032	13	Uint16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 3 Trip	1032	14	Uint16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 3 Pre-Alarm	1032	15	Uint16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 3 Alarm	1033	0	Uint16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 4 Trip	1033	1	Uint16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 4 Pre-Alarm	1033	2	Uint16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 4 Alarm	1033	3	Uint16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 1 Trip	1033	4	Uint16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 1 Pre-Alarm	1033	5	Uint16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 1 Alarm	1033	6	Uint16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 2 Trip	1033	7	Uint16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 2 Pre-Alarm	1033	8	Uint16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 2 Alarm	1033	9	Uint16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 3 Trip	1033	10	Uint16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 3 Pre-Alarm	1033	11	Uint16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 3 Alarm	1033	12	Uint16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 4 Trip	1033	13	Uint16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 4 Pre-Alarm	1033	14	Uint16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 4 Alarm	1033	15	Uint16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 1 Trip	1034	0	Uint16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 1 Pre-Alarm	1034	1	Uint16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 1 Alarm	1034	2	Uint16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 2 Trip	1034	3	Uint16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 2 Pre-Alarm	1034	4	Uint16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 2 Alarm	1034	5	Uint16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 3 Trip	1034	6	Uint16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 3 Pre-Alarm	1034	7	Uint16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 3 Alarm	1034	8	Uint16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 4 Trip	1034	9	Uint16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 4 Pre-Alarm	1034	10	Uint16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 4 Alarm	1034	11	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 1 Trip	1034	12	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 1 Pre-Alarm	1034	13	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 1 Alarm	1034	14	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 2 Trip	1034	15	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 2 Pre-Alarm	1035	0	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 2 Alarm	1035	1	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 3 Trip	1035	2	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 3 Pre-Alarm	1035	3	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 3 Alarm	1035	4	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 4 Trip	1035	5	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 4 Pre-Alarm	1035	6	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 4 Alarm	1035	7	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 1 Trip	1035	8	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 1 Pre-Alarm	1035	9	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 1 Alarm	1035	10	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 2 Trip	1035	11	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 2 Pre-Alarm	1035	12	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 2 Alarm	1035	13	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 3 Trip	1035	14	Uint16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 3 Pre-Alarm	1035	15	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 1 RTD Protection 8	Threshold 4 Alarm	1040	11	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 1	Threshold 1 Trip	1040	12	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 1	Threshold 1 Pre-Alarm	1040	13	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 1	Threshold 1 Alarm	1040	14	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 1	Threshold 2 Trip	1040	15	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 1	Threshold 2 Pre-Alarm	1041	0	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 1	Threshold 2 Alarm	1041	1	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 1	Threshold 3 Trip	1041	2	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 1	Threshold 3 Pre-Alarm	1041	3	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 1	Threshold 3 Alarm	1041	4	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 1	Threshold 4 Trip	1041	5	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 1	Threshold 4 Pre-Alarm	1041	6	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 1	Threshold 4 Alarm	1041	7	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 2	Threshold 1 Trip	1041	8	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 2	Threshold 1 Pre-Alarm	1041	9	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 2	Threshold 1 Alarm	1041	10	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 2	Threshold 2 Trip	1041	11	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 2	Threshold 2 Pre-Alarm	1041	12	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 2	Threshold 2 Alarm	1041	13	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 2	Threshold 3 Trip	1041	14	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 2	Threshold 3 Pre-Alarm	1041	15	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 2	Threshold 3 Alarm	1042	0	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 2	Threshold 4 Trip	1042	1	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 2	Threshold 4 Pre-Alarm	1042	2	Uint16	2	R	False=0 True=1
AEM 1 Thermal Protection 2	Threshold 4 Alarm	1042	3	Uint16	2	R	False=0 True=1
AEM 2	Connected	1042	4	Uint16	2	R	False=0 True=1
AEM 2	Comms Failure	1042	5	Uint16	2	R	False=0 True=1
AEM 2	Duplicate AEM	1042	6	Uint16	2	R	False=0 True=1
AEM 2	Input 1 Out-of-Range	1042	7	Uint16	2	R	False=0 True=1
AEM 2	Input 1 Out-of-Range Pre-Alarm	1042	8	Uint16	2	R	False=0 True=1
AEM 2	Input 1 Out-of-Range Alarm	1042	9	Uint16	2	R	False=0 True=1
AEM 2	Input 2 Out-of-Range	1042	10	Uint16	2	R	False=0 True=1
AEM 2	Input 2 Out-of-Range Pre-Alarm	1042	11	Uint16	2	R	False=0 True=1
AEM 2	Input 2 Out-of-Range Alarm	1042	12	Uint16	2	R	False=0 True=1
AEM 2	Input 3 Out-of-Range	1042	13	Uint16	2	R	False=0 True=1
AEM 2	Input 3 Out-of-Range Pre-Alarm	1042	14	Uint16	2	R	False=0 True=1
AEM 2	Input 3 Out-of-Range Alarm	1042	15	Uint16	2	R	False=0 True=1
AEM 2	Input 4 Out-of-Range	1043	0	Uint16	2	R	False=0 True=1
AEM 2	Input 4 Out-of-Range Pre-Alarm	1043	1	Uint16	2	R	False=0 True=1
AEM 2	Input 4 Out-of-Range Alarm	1043	2	Uint16	2	R	False=0 True=1
AEM 2	Input 5 Out-of-Range	1043	3	Uint16	2	R	False=0 True=1
AEM 2	Input 5 Out-of-Range Pre-Alarm	1043	4	Uint16	2	R	False=0 True=1
AEM 2	Input 5 Out-of-Range Alarm	1043	5	Uint16	2	R	False=0 True=1
AEM 2	Input 6 Out-of-Range	1043	6	Uint16	2	R	False=0 True=1
AEM 2	Input 6 Out-of-Range Pre-Alarm	1043	7	Uint16	2	R	False=0 True=1
AEM 2	Input 6 Out-of-Range Alarm	1043	8	Uint16	2	R	False=0 True=1
AEM 2	Input 7 Out-of-Range	1043	9	Uint16	2	R	False=0 True=1
AEM 2	Input 7 Out-of-Range Pre-Alarm	1043	10	Uint16	2	R	False=0 True=1
AEM 2	Input 7 Out-of-Range Alarm	1043	11	Uint16	2	R	False=0 True=1
AEM 2	Input 8 Out-of-Range	1043	12	Uint16	2	R	False=0 True=1
AEM 2	Input 8 Out-of-Range Pre-Alarm	1043	13	Uint16	2	R	False=0 True=1
AEM 2	Input 8 Out-of-Range Alarm	1043	14	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 1 Out-of-Range	1043	15	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 1 Out-of-Range Pre-Alarm	1044	0	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 1 Out-of-Range Alarm	1044	1	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 2 Out-of-Range	1044	2	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 2 Out-of-Range Pre-Alarm	1044	3	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 2 Out-of-Range Alarm	1044	4	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 3 Out-of-Range	1044	5	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 3 Out-of-Range Pre-Alarm	1044	6	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 3 Out-of-Range Alarm	1044	7	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 4 Out-of-Range	1044	8	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 4 Out-of-Range Pre-Alarm	1044	9	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 4 Out-of-Range Alarm	1044	10	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 5 Out-of-Range	1044	11	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 5 Out-of-Range Pre-Alarm	1044	12	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 5 Out-of-Range Alarm	1044	13	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 6 Out-of-Range	1044	14	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 6 Out-of-Range Pre-Alarm	1044	15	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 6 Out-of-Range Alarm	1045	0	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 7 Out-of-Range	1045	1	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 7 Out-of-Range Pre-Alarm	1045	2	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 7 Out-of-Range Alarm	1045	3	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 8 Out-of-Range	1045	4	Uint16	2	R	False=0 True=1
AEM 2	RTD Input 8 Out-of-Range Pre-Alarm	1045	5	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 2	RTD Input 8 Out-of-Range Alarm	1045	6	Uint16	2	R	False=0 True=1
AEM 2	Thermalcouple 1 Out-of-Range	1045	7	Uint16	2	R	False=0 True=1
AEM 2	Thermalcouple 1 Out-of-Range Pre-Alarm	1045	8	Uint16	2	R	False=0 True=1
AEM 2	Thermalcouple 1 Out-of-Range Alarm	1045	9	Uint16	2	R	False=0 True=1
AEM 2	Thermalcouple 2 Out-of-Range	1045	10	Uint16	2	R	False=0 True=1
AEM 2	Thermalcouple 2 Out-of-Range Pre-Alarm	1045	11	Uint16	2	R	False=0 True=1
AEM 2	Thermalcouple 2 Out-of-Range Alarm	1045	12	Uint16	2	R	False=0 True=1
AEM 2	Output 1 Out-of-Range	1045	13	Uint16	2	R	False=0 True=1
AEM 2	Output 1 Out-of-Range Pre-Alarm	1045	14	Uint16	2	R	False=0 True=1
AEM 2	Output 1 Out-of-Range Alarm	1045	15	Uint16	2	R	False=0 True=1
AEM 2	Output 2 Out-of-Range	1046	0	Uint16	2	R	False=0 True=1
AEM 2	Output 2 Out-of-Range Pre-Alarm	1046	1	Uint16	2	R	False=0 True=1
AEM 2	Output 2 Out-of-Range Alarm	1046	2	Uint16	2	R	False=0 True=1
AEM 2	Output 3 Out-of-Range	1046	3	Uint16	2	R	False=0 True=1
AEM 2	Output 3 Out-of-Range Pre-Alarm	1046	4	Uint16	2	R	False=0 True=1
AEM 2	Output 3 Out-of-Range Alarm	1046	5	Uint16	2	R	False=0 True=1
AEM 2	Output 4 Out-of-Range	1046	6	Uint16	2	R	False=0 True=1
AEM 2	Output 4 Out-of-Range Pre-Alarm	1046	7	Uint16	2	R	False=0 True=1
AEM 2	Output 4 Out-of-Range Alarm	1046	8	Uint16	2	R	False=0 True=1
AEM 2	Not Configured	1046	9	Uint16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 1 Trip	1046	10	Uint16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 1 Pre-Alarm	1046	11	Uint16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 1 Alarm	1046	12	Uint16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 2 Trip	1046	13	Uint16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 2 Pre-Alarm	1046	14	Uint16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 2 Alarm	1046	15	Uint16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 3 Trip	1047	0	Uint16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 3 Pre-Alarm	1047	1	Uint16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 3 Alarm	1047	2	Uint16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 4 Trip	1047	3	Uint16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 4 Pre-Alarm	1047	4	Uint16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 4 Alarm	1047	5	Uint16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 1 Trip	1047	6	Uint16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 1 Pre-Alarm	1047	7	Uint16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 1 Alarm	1047	8	Uint16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 2 Trip	1047	9	Uint16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 2 Pre-Alarm	1047	10	Uint16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 2 Alarm	1047	11	Uint16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 3 Trip	1047	12	Uint16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 3 Pre-Alarm	1047	13	Uint16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 3 Alarm	1047	14	Uint16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 4 Trip	1047	15	Uint16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 4 Pre-Alarm	1048	0	Uint16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 4 Alarm	1048	1	Uint16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 1 Trip	1048	2	Uint16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 1 Pre-Alarm	1048	3	Uint16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 1 Alarm	1048	4	Uint16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 2 Trip	1048	5	Uint16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 2 Pre-Alarm	1048	6	Uint16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 2 Alarm	1048	7	Uint16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 3 Trip	1048	8	Uint16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 3 Pre-Alarm	1048	9	Uint16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 3 Alarm	1048	10	Uint16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 4 Trip	1048	11	Uint16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 4 Pre-Alarm	1048	12	Uint16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 4 Alarm	1048	13	Uint16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 1 Trip	1048	14	Uint16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 1 Pre-Alarm	1048	15	Uint16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 1 Alarm	1049	0	Uint16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 2 Trip	1049	1	Uint16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 2 Pre-Alarm	1049	2	Uint16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 2 Alarm	1049	3	Uint16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 3 Trip	1049	4	Uint16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 3 Pre-Alarm	1049	5	Uint16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 3 Alarm	1049	6	Uint16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 4 Trip	1049	7	Uint16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 4 Pre-Alarm	1049	8	Uint16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 4 Alarm	1049	9	Uint16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 1 Trip	1049	10	Uint16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 1 Pre-Alarm	1049	11	Uint16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 1 Alarm	1049	12	Uint16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 2 Trip	1049	13	Uint16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 2 Pre-Alarm	1049	14	Uint16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 2 Alarm	1049	15	Uint16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 3 Trip	1050	0	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 2 Protection 5	Threshold 3 Pre-Alarm	1050	1	Uint16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 3 Alarm	1050	2	Uint16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 4 Trip	1050	3	Uint16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 4 Pre-Alarm	1050	4	Uint16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 4 Alarm	1050	5	Uint16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 1 Trip	1050	6	Uint16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 1 Pre-Alarm	1050	7	Uint16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 1 Alarm	1050	8	Uint16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 2 Trip	1050	9	Uint16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 2 Pre-Alarm	1050	10	Uint16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 2 Alarm	1050	11	Uint16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 3 Trip	1050	12	Uint16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 3 Pre-Alarm	1050	13	Uint16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 3 Alarm	1050	14	Uint16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 4 Trip	1050	15	Uint16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 4 Pre-Alarm	1051	0	Uint16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 4 Alarm	1051	1	Uint16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 1 Trip	1051	2	Uint16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 1 Pre-Alarm	1051	3	Uint16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 1 Alarm	1051	4	Uint16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 2 Trip	1051	5	Uint16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 2 Pre-Alarm	1051	6	Uint16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 2 Alarm	1051	7	Uint16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 3 Trip	1051	8	Uint16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 3 Pre-Alarm	1051	9	Uint16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 3 Alarm	1051	10	Uint16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 4 Trip	1051	11	Uint16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 4 Pre-Alarm	1051	12	Uint16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 4 Alarm	1051	13	Uint16	2	R	False=0 True=1
AEM 2 Protection 8	Threshold 1 Trip	1051	14	Uint16	2	R	False=0 True=1
AEM 2 Protection 8	Threshold 1 Pre-Alarm	1051	15	Uint16	2	R	False=0 True=1
AEM 2 Protection 8	Threshold 1 Alarm	1052	0	Uint16	2	R	False=0 True=1
AEM 2 Protection 8	Threshold 2 Trip	1052	1	Uint16	2	R	False=0 True=1
AEM 2 Protection 8	Threshold 2 Pre-Alarm	1052	2	Uint16	2	R	False=0 True=1
AEM 2 Protection 8	Threshold 2 Alarm	1052	3	Uint16	2	R	False=0 True=1
AEM 2 Protection 8	Threshold 3 Trip	1052	4	Uint16	2	R	False=0 True=1
AEM 2 Protection 8	Threshold 3 Pre-Alarm	1052	5	Uint16	2	R	False=0 True=1
AEM 2 Protection 8	Threshold 3 Alarm	1052	6	Uint16	2	R	False=0 True=1
AEM 2 Protection 8	Threshold 4 Trip	1052	7	Uint16	2	R	False=0 True=1
AEM 2 Protection 8	Threshold 4 Pre-Alarm	1052	8	Uint16	2	R	False=0 True=1
AEM 2 Protection 8	Threshold 4 Alarm	1052	9	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 1	Threshold 1 Trip	1052	10	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 1	Threshold 1 Pre-Alarm	1052	11	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 1	Threshold 1 Alarm	1052	12	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 1	Threshold 2 Trip	1052	13	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 1	Threshold 2 Pre-Alarm	1052	14	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 1	Threshold 2 Alarm	1052	15	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 1	Threshold 3 Trip	1053	0	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 1	Threshold 3 Pre-Alarm	1053	1	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 1	Threshold 3 Alarm	1053	2	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 1	Threshold 4 Trip	1053	3	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 1	Threshold 4 Pre-Alarm	1053	4	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 1	Threshold 4 Alarm	1053	5	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 2	Threshold 1 Trip	1053	6	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 2	Threshold 1 Pre-Alarm	1053	7	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 2	Threshold 1 Alarm	1053	8	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 2	Threshold 2 Trip	1053	9	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 2	Threshold 2 Pre-Alarm	1053	10	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 2	Threshold 2 Alarm	1053	11	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 2	Threshold 3 Trip	1053	12	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 2	Threshold 3 Pre-Alarm	1053	13	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 2	Threshold 3 Alarm	1053	14	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 2	Threshold 4 Trip	1053	15	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 2	Threshold 4 Pre-Alarm	1054	0	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 2	Threshold 4 Alarm	1054	1	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 3	Threshold 1 Trip	1054	2	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 3	Threshold 1 Pre-Alarm	1054	3	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 3	Threshold 1 Alarm	1054	4	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 3	Threshold 2 Trip	1054	5	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 3	Threshold 2 Pre-Alarm	1054	6	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 3	Threshold 2 Alarm	1054	7	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 3	Threshold 3 Trip	1054	8	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 3	Threshold 3 Pre-Alarm	1054	9	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 3	Threshold 3 Alarm	1054	10	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 3	Threshold 4 Trip	1054	11	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 2 RTD Protection 3	Threshold 4 Pre-Alarm	1054	12	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 3	Threshold 4 Alarm	1054	13	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 4	Threshold 1 Trip	1054	14	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 4	Threshold 1 Pre-Alarm	1054	15	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 4	Threshold 1 Alarm	1055	0	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 4	Threshold 2 Trip	1055	1	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 4	Threshold 2 Pre-Alarm	1055	2	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 4	Threshold 2 Alarm	1055	3	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 4	Threshold 3 Trip	1055	4	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 4	Threshold 3 Pre-Alarm	1055	5	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 4	Threshold 3 Alarm	1055	6	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 4	Threshold 4 Trip	1055	7	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 4	Threshold 4 Pre-Alarm	1055	8	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 4	Threshold 4 Alarm	1055	9	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 5	Threshold 1 Trip	1055	10	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 5	Threshold 1 Pre-Alarm	1055	11	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 5	Threshold 1 Alarm	1055	12	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 5	Threshold 2 Trip	1055	13	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 5	Threshold 2 Pre-Alarm	1055	14	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 5	Threshold 2 Alarm	1055	15	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 5	Threshold 3 Trip	1056	0	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 5	Threshold 3 Pre-Alarm	1056	1	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 5	Threshold 3 Alarm	1056	2	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 5	Threshold 4 Trip	1056	3	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 5	Threshold 4 Pre-Alarm	1056	4	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 5	Threshold 4 Alarm	1056	5	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 1 Trip	1056	6	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 1 Pre-Alarm	1056	7	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 1 Alarm	1056	8	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 2 Trip	1056	9	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 2 Pre-Alarm	1056	10	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 2 Alarm	1056	11	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 3 Trip	1056	12	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 3 Pre-Alarm	1056	13	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 3 Alarm	1056	14	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 4 Trip	1056	15	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 4 Pre-Alarm	1057	0	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 4 Alarm	1057	1	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 1 Trip	1057	2	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 1 Pre-Alarm	1057	3	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 1 Alarm	1057	4	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 2 Trip	1057	5	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 2 Pre-Alarm	1057	6	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 2 Alarm	1057	7	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 3 Trip	1057	8	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 3 Pre-Alarm	1057	9	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 3 Alarm	1057	10	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 4 Trip	1057	11	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 4 Pre-Alarm	1057	12	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 4 Alarm	1057	13	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 1 Trip	1057	14	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 1 Pre-Alarm	1057	15	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 1 Alarm	1058	0	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 2 Trip	1058	1	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 2 Pre-Alarm	1058	2	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 2 Alarm	1058	3	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 3 Trip	1058	4	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 3 Pre-Alarm	1058	5	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 3 Alarm	1058	6	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 4 Trip	1058	7	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 4 Pre-Alarm	1058	8	Uint16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 4 Alarm	1058	9	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 1 Trip	1058	10	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 1 Pre-Alarm	1058	11	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 1 Alarm	1058	12	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 2 Trip	1058	13	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 2 Pre-Alarm	1058	14	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 2 Alarm	1058	15	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 3 Trip	1059	0	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 3 Pre-Alarm	1059	1	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 3 Alarm	1059	2	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 4 Trip	1059	3	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 4 Pre-Alarm	1059	4	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 4 Alarm	1059	5	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 1 Trip	1059	6	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 2 Thermal Protection 2	Threshold 1 Pre-Alarm	1059	7	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 1 Alarm	1059	8	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 2 Trip	1059	9	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 2 Pre-Alarm	1059	10	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 2 Alarm	1059	11	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 3 Trip	1059	12	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 3 Pre-Alarm	1059	13	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 3 Alarm	1059	14	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 4 Trip	1059	15	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 4 Pre-Alarm	1060	0	Uint16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 4 Alarm	1060	1	Uint16	2	R	False=0 True=1
AEM 3	Connected	1060	2	Uint16	2	R	False=0 True=1
AEM 3	Comms Failure	1060	3	Uint16	2	R	False=0 True=1
AEM 3	Duplicate AEM	1060	4	Uint16	2	R	False=0 True=1
AEM 3	Input 1 Out-of-Range	1060	5	Uint16	2	R	False=0 True=1
AEM 3	Input 1 Out-of-Range Pre-Alarm	1060	6	Uint16	2	R	False=0 True=1
AEM 3	Input 1 Out-of-Range Alarm	1060	7	Uint16	2	R	False=0 True=1
AEM 3	Input 2 Out-of-Range	1060	8	Uint16	2	R	False=0 True=1
AEM 3	Input 2 Out-of-Range Pre-Alarm	1060	9	Uint16	2	R	False=0 True=1
AEM 3	Input 2 Out-of-Range Alarm	1060	10	Uint16	2	R	False=0 True=1
AEM 3	Input 3 Out-of-Range	1060	11	Uint16	2	R	False=0 True=1
AEM 3	Input 3 Out-of-Range Pre-Alarm	1060	12	Uint16	2	R	False=0 True=1
AEM 3	Input 3 Out-of-Range Alarm	1060	13	Uint16	2	R	False=0 True=1
AEM 3	Input 4 Out-of-Range	1060	14	Uint16	2	R	False=0 True=1
AEM 3	Input 4 Out-of-Range Pre-Alarm	1060	15	Uint16	2	R	False=0 True=1
AEM 3	Input 4 Out-of-Range Alarm	1061	0	Uint16	2	R	False=0 True=1
AEM 3	Input 5 Out-of-Range	1061	1	Uint16	2	R	False=0 True=1
AEM 3	Input 5 Out-of-Range Pre-Alarm	1061	2	Uint16	2	R	False=0 True=1
AEM 3	Input 5 Out-of-Range Alarm	1061	3	Uint16	2	R	False=0 True=1
AEM 3	Input 6 Out-of-Range	1061	4	Uint16	2	R	False=0 True=1
AEM 3	Input 6 Out-of-Range Pre-Alarm	1061	5	Uint16	2	R	False=0 True=1
AEM 3	Input 6 Out-of-Range Alarm	1061	6	Uint16	2	R	False=0 True=1
AEM 3	Input 7 Out-of-Range	1061	7	Uint16	2	R	False=0 True=1
AEM 3	Input 7 Out-of-Range Pre-Alarm	1061	8	Uint16	2	R	False=0 True=1
AEM 3	Input 7 Out-of-Range Alarm	1061	9	Uint16	2	R	False=0 True=1
AEM 3	Input 8 Out-of-Range	1061	10	Uint16	2	R	False=0 True=1
AEM 3	Input 8 Out-of-Range Pre-Alarm	1061	11	Uint16	2	R	False=0 True=1
AEM 3	Input 8 Out-of-Range Alarm	1061	12	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 1 Out-of-Range	1061	13	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 1 Out-of-Range Pre-Alarm	1061	14	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 1 Out-of-Range Alarm	1061	15	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 2 Out-of-Range	1062	0	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 2 Out-of-Range Pre-Alarm	1062	1	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 2 Out-of-Range Alarm	1062	2	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 3 Out-of-Range	1062	3	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 3 Out-of-Range Pre-Alarm	1062	4	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 3 Out-of-Range Alarm	1062	5	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 4 Out-of-Range	1062	6	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 4 Out-of-Range Pre-Alarm	1062	7	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 4 Out-of-Range Alarm	1062	8	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 5 Out-of-Range	1062	9	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 5 Out-of-Range Pre-Alarm	1062	10	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 5 Out-of-Range Alarm	1062	11	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 6 Out-of-Range	1062	12	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 6 Out-of-Range Pre-Alarm	1062	13	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 6 Out-of-Range Alarm	1062	14	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 7 Out-of-Range	1062	15	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 7 Out-of-Range Pre-Alarm	1063	0	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 7 Out-of-Range Alarm	1063	1	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 8 Out-of-Range	1063	2	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 8 Out-of-Range Pre-Alarm	1063	3	Uint16	2	R	False=0 True=1
AEM 3	RTD Input 8 Out-of-Range Alarm	1063	4	Uint16	2	R	False=0 True=1
AEM 3	Thermalcouple 1 Out-of-Range	1063	5	Uint16	2	R	False=0 True=1
AEM 3	Thermalcouple 1 Out-of-Range Pre-Alarm	1063	6	Uint16	2	R	False=0 True=1
AEM 3	Thermalcouple 1 Out-of-Range Alarm	1063	7	Uint16	2	R	False=0 True=1
AEM 3	Thermalcouple 2 Out-of-Range	1063	8	Uint16	2	R	False=0 True=1
AEM 3	Thermalcouple 2 Out-of-Range Pre-Alarm	1063	9	Uint16	2	R	False=0 True=1
AEM 3	Thermalcouple 2 Out-of-Range Alarm	1063	10	Uint16	2	R	False=0 True=1
AEM 3	Output 1 Out-of-Range	1063	11	Uint16	2	R	False=0 True=1
AEM 3	Output 1 Out-of-Range Pre-Alarm	1063	12	Uint16	2	R	False=0 True=1
AEM 3	Output 1 Out-of-Range Alarm	1063	13	Uint16	2	R	False=0 True=1
AEM 3	Output 2 Out-of-Range	1063	14	Uint16	2	R	False=0 True=1
AEM 3	Output 2 Out-of-Range Pre-Alarm	1063	15	Uint16	2	R	False=0 True=1
AEM 3	Output 2 Out-of-Range Alarm	1064	0	Uint16	2	R	False=0 True=1
AEM 3	Output 3 Out-of-Range	1064	1	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 3	Output 3 Out-of-Range Pre-Alarm	1064	2	Uint16	2	R	False=0 True=1
AEM 3	Output 3 Out-of-Range Alarm	1064	3	Uint16	2	R	False=0 True=1
AEM 3	Output 4 Out-of-Range	1064	4	Uint16	2	R	False=0 True=1
AEM 3	Output 4 Out-of-Range Pre-Alarm	1064	5	Uint16	2	R	False=0 True=1
AEM 3	Output 4 Out-of-Range Alarm	1064	6	Uint16	2	R	False=0 True=1
AEM 3	Not Configured	1064	7	Uint16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 1 Trip	1064	8	Uint16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 1 Pre-Alarm	1064	9	Uint16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 1 Alarm	1064	10	Uint16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 2 Trip	1064	11	Uint16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 2 Pre-Alarm	1064	12	Uint16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 2 Alarm	1064	13	Uint16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 3 Trip	1064	14	Uint16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 3 Pre-Alarm	1064	15	Uint16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 3 Alarm	1065	0	Uint16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 4 Trip	1065	1	Uint16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 4 Pre-Alarm	1065	2	Uint16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 4 Alarm	1065	3	Uint16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 1 Trip	1065	4	Uint16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 1 Pre-Alarm	1065	5	Uint16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 1 Alarm	1065	6	Uint16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 2 Trip	1065	7	Uint16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 2 Pre-Alarm	1065	8	Uint16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 2 Alarm	1065	9	Uint16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 3 Trip	1065	10	Uint16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 3 Pre-Alarm	1065	11	Uint16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 3 Alarm	1065	12	Uint16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 4 Trip	1065	13	Uint16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 4 Pre-Alarm	1065	14	Uint16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 4 Alarm	1065	15	Uint16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 1 Trip	1066	0	Uint16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 1 Pre-Alarm	1066	1	Uint16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 1 Alarm	1066	2	Uint16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 2 Trip	1066	3	Uint16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 2 Pre-Alarm	1066	4	Uint16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 2 Alarm	1066	5	Uint16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 3 Trip	1066	6	Uint16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 3 Pre-Alarm	1066	7	Uint16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 3 Alarm	1066	8	Uint16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 4 Trip	1066	9	Uint16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 4 Pre-Alarm	1066	10	Uint16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 4 Alarm	1066	11	Uint16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 1 Trip	1066	12	Uint16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 1 Pre-Alarm	1066	13	Uint16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 1 Alarm	1066	14	Uint16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 2 Trip	1066	15	Uint16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 2 Pre-Alarm	1067	0	Uint16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 2 Alarm	1067	1	Uint16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 3 Trip	1067	2	Uint16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 3 Pre-Alarm	1067	3	Uint16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 3 Alarm	1067	4	Uint16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 4 Trip	1067	5	Uint16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 4 Pre-Alarm	1067	6	Uint16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 4 Alarm	1067	7	Uint16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 1 Trip	1067	8	Uint16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 1 Pre-Alarm	1067	9	Uint16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 1 Alarm	1067	10	Uint16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 2 Trip	1067	11	Uint16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 2 Pre-Alarm	1067	12	Uint16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 2 Alarm	1067	13	Uint16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 3 Trip	1067	14	Uint16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 3 Pre-Alarm	1067	15	Uint16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 3 Alarm	1068	0	Uint16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 4 Trip	1068	1	Uint16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 4 Pre-Alarm	1068	2	Uint16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 4 Alarm	1068	3	Uint16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 1 Trip	1068	4	Uint16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 1 Pre-Alarm	1068	5	Uint16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 1 Alarm	1068	6	Uint16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 2 Trip	1068	7	Uint16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 2 Pre-Alarm	1068	8	Uint16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 2 Alarm	1068	9	Uint16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 3 Trip	1068	10	Uint16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 3 Pre-Alarm	1068	11	Uint16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 3 Alarm	1068	12	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 3 Protection 6	Threshold 4 Trip	1068	13	Uint16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 4 Pre-Alarm	1068	14	Uint16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 4 Alarm	1068	15	Uint16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 1 Trip	1069	0	Uint16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 1 Pre-Alarm	1069	1	Uint16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 1 Alarm	1069	2	Uint16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 2 Trip	1069	3	Uint16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 2 Pre-Alarm	1069	4	Uint16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 2 Alarm	1069	5	Uint16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 3 Trip	1069	6	Uint16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 3 Pre-Alarm	1069	7	Uint16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 3 Alarm	1069	8	Uint16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 4 Trip	1069	9	Uint16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 4 Pre-Alarm	1069	10	Uint16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 4 Alarm	1069	11	Uint16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 1 Trip	1069	12	Uint16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 1 Pre-Alarm	1069	13	Uint16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 1 Alarm	1069	14	Uint16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 2 Trip	1069	15	Uint16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 2 Pre-Alarm	1070	0	Uint16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 2 Alarm	1070	1	Uint16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 3 Trip	1070	2	Uint16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 3 Pre-Alarm	1070	3	Uint16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 3 Alarm	1070	4	Uint16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 4 Trip	1070	5	Uint16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 4 Pre-Alarm	1070	6	Uint16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 4 Alarm	1070	7	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 1	Threshold 1 Trip	1070	8	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 1	Threshold 1 Pre-Alarm	1070	9	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 1	Threshold 1 Alarm	1070	10	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 1	Threshold 2 Trip	1070	11	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 1	Threshold 2 Pre-Alarm	1070	12	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 1	Threshold 2 Alarm	1070	13	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 1	Threshold 3 Trip	1070	14	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 1	Threshold 3 Pre-Alarm	1070	15	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 1	Threshold 3 Alarm	1071	0	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 1	Threshold 4 Trip	1071	1	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 1	Threshold 4 Pre-Alarm	1071	2	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 1	Threshold 4 Alarm	1071	3	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 2	Threshold 1 Trip	1071	4	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 2	Threshold 1 Pre-Alarm	1071	5	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 2	Threshold 1 Alarm	1071	6	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 2	Threshold 2 Trip	1071	7	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 2	Threshold 2 Pre-Alarm	1071	8	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 2	Threshold 2 Alarm	1071	9	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 2	Threshold 3 Trip	1071	10	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 2	Threshold 3 Pre-Alarm	1071	11	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 2	Threshold 3 Alarm	1071	12	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 2	Threshold 4 Trip	1071	13	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 2	Threshold 4 Pre-Alarm	1071	14	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 2	Threshold 4 Alarm	1071	15	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 3	Threshold 1 Trip	1072	0	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 3	Threshold 1 Pre-Alarm	1072	1	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 3	Threshold 1 Alarm	1072	2	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 3	Threshold 2 Trip	1072	3	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 3	Threshold 2 Pre-Alarm	1072	4	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 3	Threshold 2 Alarm	1072	5	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 3	Threshold 3 Trip	1072	6	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 3	Threshold 3 Pre-Alarm	1072	7	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 3	Threshold 3 Alarm	1072	8	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 3	Threshold 4 Trip	1072	9	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 3	Threshold 4 Pre-Alarm	1072	10	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 3	Threshold 4 Alarm	1072	11	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 4	Threshold 1 Trip	1072	12	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 4	Threshold 1 Pre-Alarm	1072	13	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 4	Threshold 1 Alarm	1072	14	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 4	Threshold 2 Trip	1072	15	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 4	Threshold 2 Pre-Alarm	1073	0	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 4	Threshold 2 Alarm	1073	1	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 4	Threshold 3 Trip	1073	2	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 4	Threshold 3 Pre-Alarm	1073	3	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 4	Threshold 3 Alarm	1073	4	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 4	Threshold 4 Trip	1073	5	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 4	Threshold 4 Pre-Alarm	1073	6	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 4	Threshold 4 Alarm	1073	7	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 3 RTD Protection 5	Threshold 1 Trip	1073	8	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 5	Threshold 1 Pre-Alarm	1073	9	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 5	Threshold 1 Alarm	1073	10	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 5	Threshold 2 Trip	1073	11	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 5	Threshold 2 Pre-Alarm	1073	12	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 5	Threshold 2 Alarm	1073	13	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 5	Threshold 3 Trip	1073	14	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 5	Threshold 3 Pre-Alarm	1073	15	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 5	Threshold 3 Alarm	1074	0	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 5	Threshold 4 Trip	1074	1	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 5	Threshold 4 Pre-Alarm	1074	2	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 5	Threshold 4 Alarm	1074	3	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 6	Threshold 1 Trip	1074	4	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 6	Threshold 1 Pre-Alarm	1074	5	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 6	Threshold 1 Alarm	1074	6	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 6	Threshold 2 Trip	1074	7	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 6	Threshold 2 Pre-Alarm	1074	8	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 6	Threshold 2 Alarm	1074	9	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 6	Threshold 3 Trip	1074	10	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 6	Threshold 3 Pre-Alarm	1074	11	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 6	Threshold 3 Alarm	1074	12	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 6	Threshold 4 Trip	1074	13	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 6	Threshold 4 Pre-Alarm	1074	14	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 6	Threshold 4 Alarm	1074	15	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 1 Trip	1075	0	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 1 Pre-Alarm	1075	1	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 1 Alarm	1075	2	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 2 Trip	1075	3	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 2 Pre-Alarm	1075	4	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 2 Alarm	1075	5	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 3 Trip	1075	6	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 3 Pre-Alarm	1075	7	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 3 Alarm	1075	8	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 4 Trip	1075	9	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 4 Pre-Alarm	1075	10	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 4 Alarm	1075	11	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 1 Trip	1075	12	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 1 Pre-Alarm	1075	13	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 1 Alarm	1075	14	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 2 Trip	1075	15	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 2 Pre-Alarm	1076	0	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 2 Alarm	1076	1	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 3 Trip	1076	2	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 3 Pre-Alarm	1076	3	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 3 Alarm	1076	4	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 4 Trip	1076	5	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 4 Pre-Alarm	1076	6	Uint16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 4 Alarm	1076	7	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 1 Trip	1076	8	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 1 Pre-Alarm	1076	9	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 1 Alarm	1076	10	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 2 Trip	1076	11	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 2 Pre-Alarm	1076	12	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 2 Alarm	1076	13	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 3 Trip	1076	14	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 3 Pre-Alarm	1076	15	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 3 Alarm	1077	0	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 4 Trip	1077	1	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 4 Pre-Alarm	1077	2	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 4 Alarm	1077	3	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 1 Trip	1077	4	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 1 Pre-Alarm	1077	5	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 1 Alarm	1077	6	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 2 Trip	1077	7	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 2 Pre-Alarm	1077	8	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 2 Alarm	1077	9	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 3 Trip	1077	10	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 3 Pre-Alarm	1077	11	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 3 Alarm	1077	12	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 4 Trip	1077	13	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 4 Pre-Alarm	1077	14	Uint16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 4 Alarm	1077	15	Uint16	2	R	False=0 True=1
AEM 4	Connected	1078	0	Uint16	2	R	False=0 True=1
AEM 4	Comms Failure	1078	1	Uint16	2	R	False=0 True=1
AEM 4	Duplicate AEM	1078	2	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 4	Input 1 Out-of-Range	1078	3	Uint16	2	R	False=0 True=1
AEM 4	Input 1 Out-of-Range Pre-Alarm	1078	4	Uint16	2	R	False=0 True=1
AEM 4	Input 1 Out-of-Range Alarm	1078	5	Uint16	2	R	False=0 True=1
AEM 4	Input 2 Out-of-Range	1078	6	Uint16	2	R	False=0 True=1
AEM 4	Input 2 Out-of-Range Pre-Alarm	1078	7	Uint16	2	R	False=0 True=1
AEM 4	Input 2 Out-of-Range Alarm	1078	8	Uint16	2	R	False=0 True=1
AEM 4	Input 3 Out-of-Range	1078	9	Uint16	2	R	False=0 True=1
AEM 4	Input 3 Out-of-Range Pre-Alarm	1078	10	Uint16	2	R	False=0 True=1
AEM 4	Input 3 Out-of-Range Alarm	1078	11	Uint16	2	R	False=0 True=1
AEM 4	Input 4 Out-of-Range	1078	12	Uint16	2	R	False=0 True=1
AEM 4	Input 4 Out-of-Range Pre-Alarm	1078	13	Uint16	2	R	False=0 True=1
AEM 4	Input 4 Out-of-Range Alarm	1078	14	Uint16	2	R	False=0 True=1
AEM 4	Input 5 Out-of-Range	1078	15	Uint16	2	R	False=0 True=1
AEM 4	Input 5 Out-of-Range Pre-Alarm	1079	0	Uint16	2	R	False=0 True=1
AEM 4	Input 5 Out-of-Range Alarm	1079	1	Uint16	2	R	False=0 True=1
AEM 4	Input 6 Out-of-Range	1079	2	Uint16	2	R	False=0 True=1
AEM 4	Input 6 Out-of-Range Pre-Alarm	1079	3	Uint16	2	R	False=0 True=1
AEM 4	Input 6 Out-of-Range Alarm	1079	4	Uint16	2	R	False=0 True=1
AEM 4	Input 7 Out-of-Range	1079	5	Uint16	2	R	False=0 True=1
AEM 4	Input 7 Out-of-Range Pre-Alarm	1079	6	Uint16	2	R	False=0 True=1
AEM 4	Input 7 Out-of-Range Alarm	1079	7	Uint16	2	R	False=0 True=1
AEM 4	Input 8 Out-of-Range	1079	8	Uint16	2	R	False=0 True=1
AEM 4	Input 8 Out-of-Range Pre-Alarm	1079	9	Uint16	2	R	False=0 True=1
AEM 4	Input 8 Out-of-Range Alarm	1079	10	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 1 Out-of-Range	1079	11	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 1 Out-of-Range Pre-Alarm	1079	12	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 1 Out-of-Range Alarm	1079	13	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 2 Out-of-Range	1079	14	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 2 Out-of-Range Pre-Alarm	1079	15	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 2 Out-of-Range Alarm	1080	0	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 3 Out-of-Range	1080	1	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 3 Out-of-Range Pre-Alarm	1080	2	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 3 Out-of-Range Alarm	1080	3	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 4 Out-of-Range	1080	4	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 4 Out-of-Range Pre-Alarm	1080	5	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 4 Out-of-Range Alarm	1080	6	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 5 Out-of-Range	1080	7	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 5 Out-of-Range Pre-Alarm	1080	8	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 5 Out-of-Range Alarm	1080	9	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 6 Out-of-Range	1080	10	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 6 Out-of-Range Pre-Alarm	1080	11	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 6 Out-of-Range Alarm	1080	12	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 7 Out-of-Range	1080	13	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 7 Out-of-Range Pre-Alarm	1080	14	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 7 Out-of-Range Alarm	1080	15	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 8 Out-of-Range	1081	0	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 8 Out-of-Range Pre-Alarm	1081	1	Uint16	2	R	False=0 True=1
AEM 4	RTD Input 8 Out-of-Range Alarm	1081	2	Uint16	2	R	False=0 True=1
AEM 4	Thermalcouple 1 Out-of-Range	1081	3	Uint16	2	R	False=0 True=1
AEM 4	Thermalcouple 1 Out-of-Range Pre-Alarm	1081	4	Uint16	2	R	False=0 True=1
AEM 4	Thermalcouple 1 Out-of-Range Alarm	1081	5	Uint16	2	R	False=0 True=1
AEM 4	Thermalcouple 2 Out-of-Range	1081	6	Uint16	2	R	False=0 True=1
AEM 4	Thermalcouple 2 Out-of-Range Pre-Alarm	1081	7	Uint16	2	R	False=0 True=1
AEM 4	Thermalcouple 2 Out-of-Range Alarm	1081	8	Uint16	2	R	False=0 True=1
AEM 4	Output 1 Out-of-Range	1081	9	Uint16	2	R	False=0 True=1
AEM 4	Output 1 Out-of-Range Pre-Alarm	1081	10	Uint16	2	R	False=0 True=1
AEM 4	Output 1 Out-of-Range Alarm	1081	11	Uint16	2	R	False=0 True=1
AEM 4	Output 2 Out-of-Range	1081	12	Uint16	2	R	False=0 True=1
AEM 4	Output 2 Out-of-Range Pre-Alarm	1081	13	Uint16	2	R	False=0 True=1
AEM 4	Output 2 Out-of-Range Alarm	1081	14	Uint16	2	R	False=0 True=1
AEM 4	Output 3 Out-of-Range	1081	15	Uint16	2	R	False=0 True=1
AEM 4	Output 3 Out-of-Range Pre-Alarm	1082	0	Uint16	2	R	False=0 True=1
AEM 4	Output 3 Out-of-Range Alarm	1082	1	Uint16	2	R	False=0 True=1
AEM 4	Output 4 Out-of-Range	1082	2	Uint16	2	R	False=0 True=1
AEM 4	Output 4 Out-of-Range Pre-Alarm	1082	3	Uint16	2	R	False=0 True=1
AEM 4	Output 4 Out-of-Range Alarm	1082	4	Uint16	2	R	False=0 True=1
AEM 4	Not Configured	1082	5	Uint16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 1 Trip	1082	6	Uint16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 1 Pre-Alarm	1082	7	Uint16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 1 Alarm	1082	8	Uint16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 2 Trip	1082	9	Uint16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 2 Pre-Alarm	1082	10	Uint16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 2 Alarm	1082	11	Uint16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 3 Trip	1082	12	Uint16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 3 Pre-Alarm	1082	13	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 4 Protection 1	Threshold 3 Alarm	1082	14	Uint16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 4 Trip	1082	15	Uint16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 4 Pre-Alarm	1083	0	Uint16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 4 Alarm	1083	1	Uint16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 1 Trip	1083	2	Uint16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 1 Pre-Alarm	1083	3	Uint16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 1 Alarm	1083	4	Uint16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 2 Trip	1083	5	Uint16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 2 Pre-Alarm	1083	6	Uint16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 2 Alarm	1083	7	Uint16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 3 Trip	1083	8	Uint16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 3 Pre-Alarm	1083	9	Uint16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 3 Alarm	1083	10	Uint16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 4 Trip	1083	11	Uint16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 4 Pre-Alarm	1083	12	Uint16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 4 Alarm	1083	13	Uint16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 1 Trip	1083	14	Uint16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 2 Pre-Alarm	1083	15	Uint16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 1 Alarm	1084	0	Uint16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 2 Trip	1084	1	Uint16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 2 Pre-Alarm	1084	2	Uint16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 2 Alarm	1084	3	Uint16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 3 Trip	1084	4	Uint16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 3 Pre-Alarm	1084	5	Uint16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 3 Alarm	1084	6	Uint16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 4 Trip	1084	7	Uint16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 4 Pre-Alarm	1084	8	Uint16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 4 Alarm	1084	9	Uint16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 1 Trip	1084	10	Uint16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 1 Pre-Alarm	1084	11	Uint16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 1 Alarm	1084	12	Uint16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 2 Trip	1084	13	Uint16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 2 Pre-Alarm	1084	14	Uint16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 2 Alarm	1084	15	Uint16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 3 Trip	1085	0	Uint16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 3 Pre-Alarm	1085	1	Uint16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 3 Alarm	1085	2	Uint16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 4 Trip	1085	3	Uint16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 4 Pre-Alarm	1085	4	Uint16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 4 Alarm	1085	5	Uint16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 1 Trip	1085	6	Uint16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 1 Pre-Alarm	1085	7	Uint16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 1 Alarm	1085	8	Uint16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 2 Trip	1085	9	Uint16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 2 Pre-Alarm	1085	10	Uint16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 2 Alarm	1085	11	Uint16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 3 Trip	1085	12	Uint16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 3 Pre-Alarm	1085	13	Uint16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 3 Alarm	1085	14	Uint16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 4 Trip	1085	15	Uint16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 4 Pre-Alarm	1086	0	Uint16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 4 Alarm	1086	1	Uint16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 1 Trip	1086	2	Uint16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 1 Pre-Alarm	1086	3	Uint16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 1 Alarm	1086	4	Uint16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 2 Trip	1086	5	Uint16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 2 Pre-Alarm	1086	6	Uint16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 2 Alarm	1086	7	Uint16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 3 Trip	1086	8	Uint16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 3 Pre-Alarm	1086	9	Uint16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 3 Alarm	1086	10	Uint16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 4 Trip	1086	11	Uint16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 4 Pre-Alarm	1086	12	Uint16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 4 Alarm	1086	13	Uint16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 1 Trip	1086	14	Uint16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 1 Pre-Alarm	1086	15	Uint16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 1 Alarm	1087	0	Uint16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 2 Trip	1087	1	Uint16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 2 Pre-Alarm	1087	2	Uint16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 2 Alarm	1087	3	Uint16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 3 Trip	1087	4	Uint16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 3 Pre-Alarm	1087	5	Uint16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 3 Alarm	1087	6	Uint16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 4 Trip	1087	7	Uint16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 4 Pre-Alarm	1087	8	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 4 Protection 7	Threshold 4 Alarm	1087	9	Uint16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 1 Trip	1087	10	Uint16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 1 Pre-Alarm	1087	11	Uint16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 1 Alarm	1087	12	Uint16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 2 Trip	1087	13	Uint16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 2 Pre-Alarm	1087	14	Uint16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 2 Alarm	1087	15	Uint16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 3 Trip	1088	0	Uint16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 3 Pre-Alarm	1088	1	Uint16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 3 Alarm	1088	2	Uint16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 4 Trip	1088	3	Uint16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 4 Pre-Alarm	1088	4	Uint16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 4 Alarm	1088	5	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 1 Trip	1088	6	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 1 Pre-Alarm	1088	7	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 1 Alarm	1088	8	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 2 Trip	1088	9	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 2 Pre-Alarm	1088	10	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 2 Alarm	1088	11	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 3 Trip	1088	12	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 3 Pre-Alarm	1088	13	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 3 Alarm	1088	14	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 4 Trip	1088	15	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 4 Pre-Alarm	1089	0	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 4 Alarm	1089	1	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 1 Trip	1089	2	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 1 Pre-Alarm	1089	3	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 1 Alarm	1089	4	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 2 Trip	1089	5	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 2 Pre-Alarm	1089	6	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 2 Alarm	1089	7	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 3 Trip	1089	8	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 3 Pre-Alarm	1089	9	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 3 Alarm	1089	10	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 4 Trip	1089	11	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 4 Pre-Alarm	1089	12	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 4 Alarm	1089	13	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 3	Threshold 1 Trip	1089	14	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 3	Threshold 1 Pre-Alarm	1089	15	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 3	Threshold 1 Alarm	1090	0	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 3	Threshold 2 Trip	1090	1	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 3	Threshold 2 Pre-Alarm	1090	2	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 3	Threshold 2 Alarm	1090	3	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 3	Threshold 3 Trip	1090	4	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 3	Threshold 3 Pre-Alarm	1090	5	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 3	Threshold 3 Alarm	1090	6	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 3	Threshold 4 Trip	1090	7	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 3	Threshold 4 Pre-Alarm	1090	8	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 3	Threshold 4 Alarm	1090	9	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 4	Threshold 1 Trip	1090	10	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 4	Threshold 1 Pre-Alarm	1090	11	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 4	Threshold 1 Alarm	1090	12	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 4	Threshold 2 Trip	1090	13	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 4	Threshold 2 Pre-Alarm	1090	14	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 4	Threshold 2 Alarm	1090	15	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 4	Threshold 3 Trip	1091	0	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 4	Threshold 3 Pre-Alarm	1091	1	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 4	Threshold 3 Alarm	1091	2	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 4	Threshold 4 Trip	1091	3	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 4	Threshold 4 Pre-Alarm	1091	4	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 4	Threshold 4 Alarm	1091	5	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 5	Threshold 1 Trip	1091	6	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 5	Threshold 1 Pre-Alarm	1091	7	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 5	Threshold 1 Alarm	1091	8	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 5	Threshold 2 Trip	1091	9	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 5	Threshold 2 Pre-Alarm	1091	10	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 5	Threshold 2 Alarm	1091	11	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 5	Threshold 3 Trip	1091	12	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 5	Threshold 3 Pre-Alarm	1091	13	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 5	Threshold 3 Alarm	1091	14	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 5	Threshold 4 Trip	1091	15	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 5	Threshold 4 Pre-Alarm	1092	0	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 5	Threshold 4 Alarm	1092	1	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 6	Threshold 1 Trip	1092	2	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 6	Threshold 1 Pre-Alarm	1092	3	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 4 RTD Protection 6	Threshold 1 Alarm	1092	4	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 6	Threshold 2 Trip	1092	5	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 6	Threshold 2 Pre-Alarm	1092	6	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 6	Threshold 2 Alarm	1092	7	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 6	Threshold 3 Trip	1092	8	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 6	Threshold 3 Pre-Alarm	1092	9	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 6	Threshold 3 Alarm	1092	10	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 6	Threshold 4 Trip	1092	11	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 6	Threshold 4 Pre-Alarm	1092	12	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 6	Threshold 4 Alarm	1092	13	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 7	Threshold 1 Trip	1092	14	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 7	Threshold 1 Pre-Alarm	1092	15	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 7	Threshold 1 Alarm	1093	0	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 7	Threshold 2 Trip	1093	1	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 7	Threshold 2 Pre-Alarm	1093	2	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 7	Threshold 2 Alarm	1093	3	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 7	Threshold 3 Trip	1093	4	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 7	Threshold 3 Pre-Alarm	1093	5	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 7	Threshold 3 Alarm	1093	6	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 7	Threshold 4 Trip	1093	7	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 7	Threshold 4 Pre-Alarm	1093	8	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 7	Threshold 4 Alarm	1093	9	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 8	Threshold 1 Trip	1093	10	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 8	Threshold 1 Pre-Alarm	1093	11	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 8	Threshold 1 Alarm	1093	12	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 8	Threshold 2 Trip	1093	13	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 8	Threshold 2 Pre-Alarm	1093	14	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 8	Threshold 2 Alarm	1093	15	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 8	Threshold 3 Trip	1094	0	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 8	Threshold 3 Pre-Alarm	1094	1	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 8	Threshold 3 Alarm	1094	2	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 8	Threshold 4 Trip	1094	3	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 8	Threshold 4 Pre-Alarm	1094	4	Uint16	2	R	False=0 True=1
AEM 4 RTD Protection 8	Threshold 4 Alarm	1094	5	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 1 Trip	1094	6	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 1 Pre-Alarm	1094	7	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 1 Alarm	1094	8	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 2 Trip	1094	9	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 2 Pre-Alarm	1094	10	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 2 Alarm	1094	11	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 3 Trip	1094	12	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 3 Pre-Alarm	1094	13	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 3 Alarm	1094	14	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 4 Trip	1094	15	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 4 Pre-Alarm	1095	0	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 4 Alarm	1095	1	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 1 Trip	1095	2	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 1 Pre-Alarm	1095	3	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 1 Alarm	1095	4	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 2 Trip	1095	5	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 2 Pre-Alarm	1095	6	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 2 Alarm	1095	7	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 3 Trip	1095	8	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 3 Pre-Alarm	1095	9	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 3 Alarm	1095	10	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 4 Trip	1095	11	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 4 Pre-Alarm	1095	12	Uint16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 4 Alarm	1095	13	Uint16	2	R	False=0 True=1
CEM 1	Connected	1095	14	Uint16	2	R	False=0 True=1
CEM 1	Comms Failure	1095	15	Uint16	2	R	False=0 True=1
CEM 1	Duplicate CEM	1096	0	Uint16	2	R	False=0 True=1
CEM 1	Input 1	1096	1	Uint16	2	R	False=0 True=1
CEM 1	Input 2	1096	2	Uint16	2	R	False=0 True=1
CEM 1	Input 3	1096	3	Uint16	2	R	False=0 True=1
CEM 1	Input 4	1096	4	Uint16	2	R	False=0 True=1
CEM 1	Input 5	1096	5	Uint16	2	R	False=0 True=1
CEM 1	Input 6	1096	6	Uint16	2	R	False=0 True=1
CEM 1	Input 7	1096	7	Uint16	2	R	False=0 True=1
CEM 1	Input 8	1096	8	Uint16	2	R	False=0 True=1
CEM 1	Input 9	1096	9	Uint16	2	R	False=0 True=1
CEM 1	Input 10	1096	10	Uint16	2	R	False=0 True=1
CEM 1	Output 1	1096	11	Uint16	2	R	False=0 True=1
CEM 1	Output 2	1096	12	Uint16	2	R	False=0 True=1
CEM 1	Output 3	1096	13	Uint16	2	R	False=0 True=1
CEM 1	Output 4	1096	14	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
CEM 1	Output 5	1096	15	UInt16	2	R	False=0 True=1
CEM 1	Output 6	1097	0	UInt16	2	R	False=0 True=1
CEM 1	Output 7	1097	1	UInt16	2	R	False=0 True=1
CEM 1	Output 8	1097	2	UInt16	2	R	False=0 True=1
CEM 1	Output 9	1097	3	UInt16	2	R	False=0 True=1
CEM 1	Output 10	1097	4	UInt16	2	R	False=0 True=1
CEM 1	Output 11	1097	5	UInt16	2	R	False=0 True=1
CEM 1	Output 12	1097	6	UInt16	2	R	False=0 True=1
CEM 1	Output 13	1097	7	UInt16	2	R	False=0 True=1
CEM 1	Output 14	1097	8	UInt16	2	R	False=0 True=1
CEM 1	Output 15	1097	9	UInt16	2	R	False=0 True=1
CEM 1	Output 16	1097	10	UInt16	2	R	False=0 True=1
CEM 1	Output 17	1097	11	UInt16	2	R	False=0 True=1
CEM 1	Output 18	1097	12	UInt16	2	R	False=0 True=1
CEM 1	Output 19	1097	13	UInt16	2	R	False=0 True=1
CEM 1	Output 20	1097	14	UInt16	2	R	False=0 True=1
CEM 1	Output 21	1097	15	UInt16	2	R	False=0 True=1
CEM 1	Output 22	1098	0	UInt16	2	R	False=0 True=1
CEM 1	Output 23	1098	1	UInt16	2	R	False=0 True=1
CEM 1	Output 24	1098	2	UInt16	2	R	False=0 True=1
CEM 1	Hardware Mismatch	1098	3	UInt16	2	R	False=0 True=1
CEM 1	Not Configured	1098	4	UInt16	2	R	False=0 True=1
CEM 2	Connected	1098	5	UInt16	2	R	False=0 True=1
CEM 2	Comms Failure	1098	6	UInt16	2	R	False=0 True=1
CEM 2	Duplicate CEM	1098	7	UInt16	2	R	False=0 True=1
CEM 2	Input 1	1098	8	UInt16	2	R	False=0 True=1
CEM 2	Input 2	1098	9	UInt16	2	R	False=0 True=1
CEM 2	Input 3	1098	10	UInt16	2	R	False=0 True=1
CEM 2	Input 4	1098	11	UInt16	2	R	False=0 True=1
CEM 2	Input 5	1098	12	UInt16	2	R	False=0 True=1
CEM 2	Input 6	1098	13	UInt16	2	R	False=0 True=1
CEM 2	Input 7	1098	14	UInt16	2	R	False=0 True=1
CEM 2	Input 8	1098	15	UInt16	2	R	False=0 True=1
CEM 2	Input 9	1099	0	UInt16	2	R	False=0 True=1
CEM 2	Input 10	1099	1	UInt16	2	R	False=0 True=1
CEM 2	Output 1	1099	2	UInt16	2	R	False=0 True=1
CEM 2	Output 2	1099	3	UInt16	2	R	False=0 True=1
CEM 2	Output 3	1099	4	UInt16	2	R	False=0 True=1
CEM 2	Output 4	1099	5	UInt16	2	R	False=0 True=1
CEM 2	Output 5	1099	6	UInt16	2	R	False=0 True=1
CEM 2	Output 6	1099	7	UInt16	2	R	False=0 True=1
CEM 2	Output 7	1099	8	UInt16	2	R	False=0 True=1
CEM 2	Output 8	1099	9	UInt16	2	R	False=0 True=1
CEM 2	Output 9	1099	10	UInt16	2	R	False=0 True=1
CEM 2	Output 10	1099	11	UInt16	2	R	False=0 True=1
CEM 2	Output 11	1099	12	UInt16	2	R	False=0 True=1
CEM 2	Output 12	1099	13	UInt16	2	R	False=0 True=1
CEM 2	Output 13	1099	14	UInt16	2	R	False=0 True=1
CEM 2	Output 14	1099	15	UInt16	2	R	False=0 True=1
CEM 2	Output 15	1100	0	UInt16	2	R	False=0 True=1
CEM 2	Output 16	1100	1	UInt16	2	R	False=0 True=1
CEM 2	Output 17	1100	2	UInt16	2	R	False=0 True=1
CEM 2	Output 18	1100	3	UInt16	2	R	False=0 True=1
CEM 2	Output 19	1100	4	UInt16	2	R	False=0 True=1
CEM 2	Output 20	1100	5	UInt16	2	R	False=0 True=1
CEM 2	Output 21	1100	6	UInt16	2	R	False=0 True=1
CEM 2	Output 22	1100	7	UInt16	2	R	False=0 True=1
CEM 2	Output 23	1100	8	UInt16	2	R	False=0 True=1
CEM 2	Output 24	1100	9	UInt16	2	R	False=0 True=1
CEM 2	Hardware Mismatch	1100	10	UInt16	2	R	False=0 True=1
CEM 2	Not Configured	1100	11	UInt16	2	R	False=0 True=1
CEM 3	Connected	1100	12	UInt16	2	R	False=0 True=1
CEM 3	Comms Failure	1100	13	UInt16	2	R	False=0 True=1
CEM 3	Duplicate CEM	1100	14	UInt16	2	R	False=0 True=1
CEM 3	Input 1	1100	15	UInt16	2	R	False=0 True=1
CEM 3	Input 2	1101	0	UInt16	2	R	False=0 True=1
CEM 3	Input 3	1101	1	UInt16	2	R	False=0 True=1
CEM 3	Input 4	1101	2	UInt16	2	R	False=0 True=1
CEM 3	Input 5	1101	3	UInt16	2	R	False=0 True=1
CEM 3	Input 6	1101	4	UInt16	2	R	False=0 True=1
CEM 3	Input 7	1101	5	UInt16	2	R	False=0 True=1
CEM 3	Input 8	1101	6	UInt16	2	R	False=0 True=1
CEM 3	Input 9	1101	7	UInt16	2	R	False=0 True=1
CEM 3	Input 10	1101	8	UInt16	2	R	False=0 True=1
CEM 3	Output 1	1101	9	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
CEM 3	Output 2	1101	10	UInt16	2	R	False=0 True=1
CEM 3	Output 3	1101	11	UInt16	2	R	False=0 True=1
CEM 3	Output 4	1101	12	UInt16	2	R	False=0 True=1
CEM 3	Output 5	1101	13	UInt16	2	R	False=0 True=1
CEM 3	Output 6	1101	14	UInt16	2	R	False=0 True=1
CEM 3	Output 7	1101	15	UInt16	2	R	False=0 True=1
CEM 3	Output 8	1102	0	UInt16	2	R	False=0 True=1
CEM 3	Output 9	1102	1	UInt16	2	R	False=0 True=1
CEM 3	Output 10	1102	2	UInt16	2	R	False=0 True=1
CEM 3	Output 11	1102	3	UInt16	2	R	False=0 True=1
CEM 3	Output 12	1102	4	UInt16	2	R	False=0 True=1
CEM 3	Output 13	1102	5	UInt16	2	R	False=0 True=1
CEM 3	Output 14	1102	6	UInt16	2	R	False=0 True=1
CEM 3	Output 15	1102	7	UInt16	2	R	False=0 True=1
CEM 3	Output 16	1102	8	UInt16	2	R	False=0 True=1
CEM 3	Output 17	1102	9	UInt16	2	R	False=0 True=1
CEM 3	Output 18	1102	10	UInt16	2	R	False=0 True=1
CEM 3	Output 19	1102	11	UInt16	2	R	False=0 True=1
CEM 3	Output 20	1102	12	UInt16	2	R	False=0 True=1
CEM 3	Output 21	1102	13	UInt16	2	R	False=0 True=1
CEM 3	Output 22	1102	14	UInt16	2	R	False=0 True=1
CEM 3	Output 23	1102	15	UInt16	2	R	False=0 True=1
CEM 3	Output 24	1103	0	UInt16	2	R	False=0 True=1
CEM 3	Hardware Mismatch	1103	1	UInt16	2	R	False=0 True=1
CEM 3	Not Configured	1103	2	UInt16	2	R	False=0 True=1
CEM 4	Connected	1103	3	UInt16	2	R	False=0 True=1
CEM 4	Comms Failure	1103	4	UInt16	2	R	False=0 True=1
CEM 4	Duplicate CEM	1103	5	UInt16	2	R	False=0 True=1
CEM 4	Input 1	1103	6	UInt16	2	R	False=0 True=1
CEM 4	Input 2	1103	7	UInt16	2	R	False=0 True=1
CEM 4	Input 3	1103	8	UInt16	2	R	False=0 True=1
CEM 4	Input 4	1103	9	UInt16	2	R	False=0 True=1
CEM 4	Input 5	1103	10	UInt16	2	R	False=0 True=1
CEM 4	Input 6	1103	11	UInt16	2	R	False=0 True=1
CEM 4	Input 7	1103	12	UInt16	2	R	False=0 True=1
CEM 4	Input 8	1103	13	UInt16	2	R	False=0 True=1
CEM 4	Input 9	1103	14	UInt16	2	R	False=0 True=1
CEM 4	Input 10	1103	15	UInt16	2	R	False=0 True=1
CEM 4	Output 1	1104	0	UInt16	2	R	False=0 True=1
CEM 4	Output 2	1104	1	UInt16	2	R	False=0 True=1
CEM 4	Output 3	1104	2	UInt16	2	R	False=0 True=1
CEM 4	Output 4	1104	3	UInt16	2	R	False=0 True=1
CEM 4	Output 5	1104	4	UInt16	2	R	False=0 True=1
CEM 4	Output 6	1104	5	UInt16	2	R	False=0 True=1
CEM 4	Output 7	1104	6	UInt16	2	R	False=0 True=1
CEM 4	Output 8	1104	7	UInt16	2	R	False=0 True=1
CEM 4	Output 9	1104	8	UInt16	2	R	False=0 True=1
CEM 4	Output 10	1104	9	UInt16	2	R	False=0 True=1
CEM 4	Output 11	1104	10	UInt16	2	R	False=0 True=1
CEM 4	Output 12	1104	11	UInt16	2	R	False=0 True=1
CEM 4	Output 13	1104	12	UInt16	2	R	False=0 True=1
CEM 4	Output 14	1104	13	UInt16	2	R	False=0 True=1
CEM 4	Output 15	1104	14	UInt16	2	R	False=0 True=1
CEM 4	Output 16	1104	15	UInt16	2	R	False=0 True=1
CEM 4	Output 17	1105	0	UInt16	2	R	False=0 True=1
CEM 4	Output 18	1105	1	UInt16	2	R	False=0 True=1
CEM 4	Output 19	1105	2	UInt16	2	R	False=0 True=1
CEM 4	Output 20	1105	3	UInt16	2	R	False=0 True=1
CEM 4	Output 21	1105	4	UInt16	2	R	False=0 True=1
CEM 4	Output 22	1105	5	UInt16	2	R	False=0 True=1
CEM 4	Output 23	1105	6	UInt16	2	R	False=0 True=1
CEM 4	Output 24	1105	7	UInt16	2	R	False=0 True=1
CEM 4	Hardware Mismatch	1105	8	UInt16	2	R	False=0 True=1
CEM 4	Not Configured	1105	9	UInt16	2	R	False=0 True=1
Genset Controller	In Ready State	1105	10	UInt16	2	R	False=0 True=1
Genset Controller	In Cranking State	1105	11	UInt16	2	R	False=0 True=1
Genset Controller	In Resting State	1105	12	UInt16	2	R	False=0 True=1
Genset Controller	In Running State	1105	13	UInt16	2	R	False=0 True=1
Genset Controller	In Alarm State	1105	14	UInt16	2	R	False=0 True=1
Genset Controller	In Prestart State	1105	15	UInt16	2	R	False=0 True=1
Genset Controller	In Cooling State	1106	0	UInt16	2	R	False=0 True=1
Genset Controller	In Connecting State	1106	1	UInt16	2	R	False=0 True=1
Genset Controller	In Disconnect State	1106	2	UInt16	2	R	False=0 True=1
Genset Controller	In Pulsing State	1106	3	UInt16	2	R	False=0 True=1
Genset Controller	External Start Delay	1106	4	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Genset Controller	Start Delay Bypass	1106	5	Uint16	2	R	False=0 True=1
Genset Controller	Overcrank Alarm	1106	6	Uint16	2	R	False=0 True=1
Genset Controller	Off Mode Cooldown	1106	7	Uint16	2	R	False=0 True=1
Genset Controller	Cooldown and Stop Request From Logic	1106	8	Uint16	2	R	False=0 True=1
Genset Controller	Cooldown Request From Logic	1106	9	Uint16	2	R	False=0 True=1
Genset Controller	In Unloading State	1106	10	Uint16	2	R	False=0 True=1
Genset Controller	Auto Mode Status	1106	11	Uint16	2	R	False=0 True=1
Genset Controller	Off Mode Status	1106	12	Uint16	2	R	False=0 True=1
Genset Controller	Run Mode Status	1106	13	Uint16	2	R	False=0 True=1
Genset Controller	Paralleled to Mains	1106	14	Uint16	2	R	False=0 True=1
Genset Controller	Emergency Stop Button	1106	15	Uint16	2	R	False=0 True=1
Genset Controller	Cooldown Timer Active	1107	0	Uint16	2	R	False=0 True=1
Genset Controller	Idle Request Active	1107	1	Uint16	2	R	False=0 True=1
Genset Controller	Low Coolant Pre-Alarm Global	1107	2	Uint16	2	R	False=0 True=1
Genset Controller	Low Coolant Alarm Global	1107	3	Uint16	2	R	False=0 True=1
Genset Controller	Low Coolant Status Global	1107	4	Uint16	2	R	False=0 True=1
Coms Control Group	Reset Active	1107	5	Uint16	2	R	False=0 True=1
Coms Control Group	Lamp Test Active	1107	6	Uint16	2	R	False=0 True=1
Load Detection	Supplying Load	1107	7	Uint16	2	R	False=0 True=1
Run Statistics	Maintenance Due	1107	8	Uint16	2	R	False=0 True=1
Unit ID Table	ID Missing Pre-Alarm	1107	9	Uint16	2	R	False=0 True=1
Unit ID Table	ID Repeat Pre-Alarm	1107	10	Uint16	2	R	False=0 True=1
Load Share Settings	Intergenset Comms Fail	1107	11	Uint16	2	R	False=0 True=1
Auto Restart	Auto Restart Fail Alarm	1107	12	Uint16	2	R	False=0 True=1
ECU Config	Loss of ECU Comm Alarm	1107	13	Uint16	2	R	False=0 True=1
ECU Config	Loss of ECU Comm Pre-Alarm	1107	14	Uint16	2	R	False=0 True=1
ECU Config	Diagnostic Trouble Code Pre-Alarm	1107	15	Uint16	2	R	False=0 True=1
ECU Config	Shutdown	1108	0	Uint16	2	R	False=0 True=1
ECU Config	DEF Empty	1108	1	Uint16	2	R	False=0 True=1
ECU Config	DEF Engine Derate	1108	2	Uint16	2	R	False=0 True=1
ECU Config	DEF Inducement Override	1108	3	Uint16	2	R	False=0 True=1
ECU Config	DEF Low	1108	4	Uint16	2	R	False=0 True=1
ECU Config	DEF Presevere Inducement	1108	5	Uint16	2	R	False=0 True=1
ECU Config	DEF Severe Inducement	1108	6	Uint16	2	R	False=0 True=1
ECU Config	DPF Regenerate Disabled	1108	7	Uint16	2	R	False=0 True=1
ECU Config	DPF Regenerate Required	1108	8	Uint16	2	R	False=0 True=1
ECU Config	DPF Soot Level High Least Severe	1108	9	Uint16	2	R	False=0 True=1
ECU Config	DPF Soot Level High Moderately Severe	1108	10	Uint16	2	R	False=0 True=1
ECU Config	DPF Soot Level High Most Severe	1108	11	Uint16	2	R	False=0 True=1
ECU Config	Fuel Filter 1 Leak	1108	12	Uint16	2	R	False=0 True=1
ECU Config	Fuel Filter 2 Leak	1108	13	Uint16	2	R	False=0 True=1
ECU Config	High Exhaust Temp	1108	14	Uint16	2	R	False=0 True=1
ECU Config	Low Coolant Level Alarm From DTC	1108	15	Uint16	2	R	False=0 True=1
ECU Config	MTU High Charge Air Temp Alarm	1109	0	Uint16	2	R	False=0 True=1
ECU Config	MTU High Oil Temp Alarm	1109	1	Uint16	2	R	False=0 True=1
ECU Config	MTU High Coolant Temp Alarm	1109	2	Uint16	2	R	False=0 True=1
ECU Config	MTU Low Aftercooler Cool LVL Alarm	1109	3	Uint16	2	R	False=0 True=1
ECU Config	MTU Low Fuel Delivery Pressure Alarm	1109	4	Uint16	2	R	False=0 True=1
ECU Config	MTU Low Oil Pressure Alarm	1109	5	Uint16	2	R	False=0 True=1
ECU Config	MTU Overspeed Alarm	1109	6	Uint16	2	R	False=0 True=1
ECU Config	MTU Combined Red Alarm Status From ECU	1109	7	Uint16	2	R	False=0 True=1
ECU Config	MTU High ECU Temp Pre-Alarm	1109	8	Uint16	2	R	False=0 True=1
ECU Config	MTU High Oil Temp Pre-Alarm	1109	9	Uint16	2	R	False=0 True=1
ECU Config	MTU High Intercooler Temp Pre-Alarm	1109	10	Uint16	2	R	False=0 True=1
ECU Config	MTU High Charge Air Temp Pre-Alarm	1109	11	Uint16	2	R	False=0 True=1
ECU Config	MTU High Coolant Temp Pre-Alarm	1109	12	Uint16	2	R	False=0 True=1
ECU Config	MTU Shutdown Override Pre-Alarm	1109	13	Uint16	2	R	False=0 True=1
ECU Config	MTU High Fuel Rail Pressure Pre-Alarm	1109	14	Uint16	2	R	False=0 True=1
ECU Config	MTU Low Fuel Rail Pressure Pre-Alarm	1109	15	Uint16	2	R	False=0 True=1
ECU Config	MTU Low Coolant Level Pre-Alarm	1110	0	Uint16	2	R	False=0 True=1
ECU Config	MTU Low Charge Air Pressure Pre-Alarm	1110	1	Uint16	2	R	False=0 True=1
ECU Config	MTU Low Fuel Delivery Pressure Pre-Alarm	1110	2	Uint16	2	R	False=0 True=1
ECU Config	MTU Low Oil Pressure Pre-Alarm	1110	3	Uint16	2	R	False=0 True=1
ECU Config	MTU Combined Yellow Pre-Alarm	1110	4	Uint16	2	R	False=0 True=1
ECU Config	MTU Hi Fuel Filter Diff Pressure Pre-Alarm	1110	5	Uint16	2	R	False=0 True=1
ECU Config	MTU Test Overspeed Active Pre-Alarm	1110	6	Uint16	2	R	False=0 True=1
ECU Config	CAN Mode Feedback Status	1110	7	Uint16	2	R	False=0 True=1
ECU Config	Cylinder Cutout Status	1110	8	Uint16	2	R	False=0 True=1
ECU Config	ECU Faulty Pre-Alarm	1110	9	Uint16	2	R	False=0 True=1
ECU Config	ECU Override Feedback Status	1110	10	Uint16	2	R	False=0 True=1
ECU Config	Engine Running Status Bit	1110	11	Uint16	2	R	False=0 True=1
ECU Config	Engine Speed Too Low Pre-Alarm	1110	12	Uint16	2	R	False=0 True=1
ECU Config	External Stop Active Status	1110	13	Uint16	2	R	False=0 True=1
ECU Config	Hi Day Tank Level Pre-Alarm	1110	14	Uint16	2	R	False=0 True=1
ECU Config	High ECU Supply Voltage Alarm	1110	15	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
ECU Config	High Exhaust Temp A Pre-Alarm	1111	0	Uint16	2	R	False=0 True=1
ECU Config	High Exhaust Temp B Pre-Alarm	1111	1	Uint16	2	R	False=0 True=1
ECU Config	High Fuel Temp Pre-Alarm	1111	2	Uint16	2	R	False=0 True=1
ECU Config	High Storage Tank Level Pre-Alarm	1111	3	Uint16	2	R	False=0 True=1
ECU Config	High Voltage Supply Pre-Alarm	1111	4	Uint16	2	R	False=0 True=1
ECU Config	Hi Pressure IN 1 Pre-Alarm	1111	5	Uint16	2	R	False=0 True=1
ECU Config	Hi Pressure IN 2 Pre-Alarm	1111	6	Uint16	2	R	False=0 True=1
ECU Config	Hi T Ambient Pre-Alarm	1111	7	Uint16	2	R	False=0 True=1
ECU Config	Hi TCOIL 1 Pre-Alarm	1111	8	Uint16	2	R	False=0 True=1
ECU Config	Hi TCOIL 2 Pre-Alarm	1111	9	Uint16	2	R	False=0 True=1
ECU Config	Hi TCOIL 3 Pre-Alarm	1111	10	Uint16	2	R	False=0 True=1
ECU Config	Idle Speed Low Pre-Alarm	1111	11	Uint16	2	R	False=0 True=1
ECU Config	Load Gen On Status	1111	12	Uint16	2	R	False=0 True=1
ECU Config	Low Charge Air Coolant Level Pre-Alarm	1111	13	Uint16	2	R	False=0 True=1
ECU Config	Low Day Tank Level Pre-Alarm	1111	14	Uint16	2	R	False=0 True=1
ECU Config	Low ECU Supply Voltage Pre-Alarm	1111	15	Uint16	2	R	False=0 True=1
ECU Config	Low Storage Tank Level Pre-Alarm	1112	0	Uint16	2	R	False=0 True=1
ECU Config	Low Voltage Supply Pre-Alarm	1112	1	Uint16	2	R	False=0 True=1
ECU Config	Preheat Temp Not Reached Status	1112	2	Uint16	2	R	False=0 True=1
ECU Config	Priming Fault Pre-Alarm	1112	3	Uint16	2	R	False=0 True=1
ECU Config	Priming Pump On Status	1112	4	Uint16	2	R	False=0 True=1
ECU Config	Run-up Speed Low Pre-Alarm	1112	5	Uint16	2	R	False=0 True=1
ECU Config	Speed DEC Feedback Status	1112	6	Uint16	2	R	False=0 True=1
ECU Config	Speed Demand Fail Mode Status	1112	7	Uint16	2	R	False=0 True=1
ECU Config	Speed Demand Fail Pre-Alarm	1112	8	Uint16	2	R	False=0 True=1
ECU Config	Speed INC Feedback Status	1112	9	Uint16	2	R	False=0 True=1
ECU Config	Start Speed Low Pre-Alarm	1112	10	Uint16	2	R	False=0 True=1
ECU Config	T Alternator Wiring Pre-Alarm	1112	11	Uint16	2	R	False=0 True=1
Settings Group	Use SG0	1112	12	Uint16	2	R	False=0 True=1
Settings Group	Use SG1	1112	13	Uint16	2	R	False=0 True=1
Settings Group	Use SG2	1112	14	Uint16	2	R	False=0 True=1
Settings Group	Use SG3	1112	15	Uint16	2	R	False=0 True=1
Sync	Active	1113	0	Uint16	2	R	False=0 True=1
Sync	Breaker Close OK	1113	1	Uint16	2	R	False=0 True=1
Sync	Volt OK	1113	2	Uint16	2	R	False=0 True=1
Sync	Freq OK	1113	3	Uint16	2	R	False=0 True=1
Sync	Phase OK	1113	4	Uint16	2	R	False=0 True=1
Sync	Sync OK	1113	5	Uint16	2	R	False=0 True=1
Generator Breaker	Breaker Status	1113	6	Uint16	2	R	False=0 True=1
Generator Breaker	Sync Fail	1113	7	Uint16	2	R	False=0 True=1
Generator Breaker	Fail to Close	1113	8	Uint16	2	R	False=0 True=1
Generator Breaker	Fail to Open	1113	9	Uint16	2	R	False=0 True=1
Mains Breaker	Breaker Status	1113	10	Uint16	2	R	False=0 True=1
Mains Breaker	Sync Fail	1113	11	Uint16	2	R	False=0 True=1
Mains Breaker	Fail to Close	1113	12	Uint16	2	R	False=0 True=1
Mains Breaker	Fail to Open	1113	13	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Mains Fail Transfer Inhibit From PLC	1113	14	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Closed Transition Override From PLC	1113	15	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Mains Fail Test Active	1114	0	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Auto Breaker OP Inhibit	1114	1	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Mains Fail Transfer Enabled	1114	2	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Mains Fail Transfer Fail	1114	3	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Mains Fail Transfer Complete	1114	4	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Mains Zero Power Flow	1114	5	Uint16	2	R	False=0 True=1
Genset Controller	Gen Reverse Rotation	1114	6	Uint16	2	R	False=0 True=1
Genset Controller	Bus 1 ReverseRotation	1114	7	Uint16	2	R	False=0 True=1
Genset Controller	Bus 2 ReverseRotation	1114	8	Uint16	2	R	False=0 True=1
Bias Control	Take Over Load Active	1114	9	Uint16	2	R	False=0 True=1
Bias Control	var Mode Active	1114	10	Uint16	2	R	False=0 True=1
Bias Control	PF Mode Active	1114	11	Uint16	2	R	False=0 True=1
Gen Condition	Dead	1114	12	Uint16	2	R	False=0 True=1
Gen Condition	Failed	1114	13	Uint16	2	R	False=0 True=1
Gen Condition	Stable	1114	14	Uint16	2	R	False=0 True=1
Bus 1 Condition	Dead	1114	15	Uint16	2	R	False=0 True=1
Bus 1 Condition	Failed	1115	0	Uint16	2	R	False=0 True=1
Bus 1 Condition	Stable	1115	1	Uint16	2	R	False=0 True=1
Bus 2 Condition	Dead	1115	2	Uint16	2	R	False=0 True=1
Bus 2 Condition	Failed	1115	3	Uint16	2	R	False=0 True=1
Bus 2 Condition	Stable	1115	4	Uint16	2	R	False=0 True=1
Coolant Temp Sender Fail	Alarm	1115	5	Uint16	2	R	False=0 True=1
Coolant Temp Sender Fail	Pre-Alarm	1115	6	Uint16	2	R	False=0 True=1
Oil Pressure Sender Fail	Alarm	1115	7	Uint16	2	R	False=0 True=1
Oil Pressure Sender Fail	Pre-Alarm	1115	8	Uint16	2	R	False=0 True=1
Fuel Level Sender Fail	Alarm	1115	9	Uint16	2	R	False=0 True=1
Fuel Level Sender Fail	Pre-Alarm	1115	10	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Voltage Sensing Sender Fail	Alarm	1115	11	Uint16	2	R	False=0 True=1
Voltage Sensing Sender Fail	Pre-Alarm	1115	12	Uint16	2	R	False=0 True=1
Auto Transfer Switch	Status	1115	13	Uint16	2	R	False=0 True=1
Auto Transfer Switch	Alarm	1115	14	Uint16	2	R	False=0 True=1
Auto Transfer Switch	Pre-Alarm	1115	15	Uint16	2	R	False=0 True=1
Grounded Delta Override	Status	1116	0	Uint16	2	R	False=0 True=1
Grounded Delta Override	Alarm	1116	1	Uint16	2	R	False=0 True=1
Grounded Delta Override	Pre-Alarm	1116	2	Uint16	2	R	False=0 True=1
Battle Override	Status	1116	3	Uint16	2	R	False=0 True=1
Battle Override	Alarm	1116	4	Uint16	2	R	False=0 True=1
Battle Override	Pre-Alarm	1116	5	Uint16	2	R	False=0 True=1
Low-Line Override	Status	1116	6	Uint16	2	R	False=0 True=1
Low-Line Override	Alarm	1116	7	Uint16	2	R	False=0 True=1
Low-Line Override	Pre-Alarm	1116	8	Uint16	2	R	False=0 True=1
Single-Phase AC Override	Status	1116	9	Uint16	2	R	False=0 True=1
Single-Phase AC Override	Alarm	1116	10	Uint16	2	R	False=0 True=1
Single-Phase AC Override	Pre-Alarm	1116	11	Uint16	2	R	False=0 True=1
Battery Charger Fail	Status	1116	12	Uint16	2	R	False=0 True=1
Battery Charger Fail	Alarm	1116	13	Uint16	2	R	False=0 True=1
Battery Charger Fail	Pre-Alarm	1116	14	Uint16	2	R	False=0 True=1
Low Coolant Level	Status	1116	15	Uint16	2	R	False=0 True=1
Fuel Leak Detect	Status	1117	0	Uint16	2	R	False=0 True=1
Fuel Leak Detect	Alarm	1117	1	Uint16	2	R	False=0 True=1
Fuel Leak Detect	Pre-Alarm	1117	2	Uint16	2	R	False=0 True=1
Emergency Stop	Status	1117	3	Uint16	2	R	False=0 True=1
Emergency Stop	Alarm	1117	4	Uint16	2	R	False=0 True=1
Emergency Stop	Pre-Alarm	1117	5	Uint16	2	R	False=0 True=1
Single-Phase Override	Status	1117	6	Uint16	2	R	False=0 True=1
Configurable Element 1	Output	1117	7	Uint16	2	R	False=0 True=1
Configurable Element 1	Alarm	1117	8	Uint16	2	R	False=0 True=1
Configurable Element 1	Pre-Alarm	1117	9	Uint16	2	R	False=0 True=1
Configurable Element 2	Output	1117	10	Uint16	2	R	False=0 True=1
Configurable Element 2	Alarm	1117	11	Uint16	2	R	False=0 True=1
Configurable Element 2	Pre-Alarm	1117	12	Uint16	2	R	False=0 True=1
Configurable Element 3	Output	1117	13	Uint16	2	R	False=0 True=1
Configurable Element 3	Alarm	1117	14	Uint16	2	R	False=0 True=1
Configurable Element 3	Pre-Alarm	1117	15	Uint16	2	R	False=0 True=1
Configurable Element 4	Output	1118	0	Uint16	2	R	False=0 True=1
Configurable Element 4	Alarm	1118	1	Uint16	2	R	False=0 True=1
Configurable Element 4	Pre-Alarm	1118	2	Uint16	2	R	False=0 True=1
Configurable Element 5	Output	1118	3	Uint16	2	R	False=0 True=1
Configurable Element 5	Alarm	1118	4	Uint16	2	R	False=0 True=1
Configurable Element 5	Pre-Alarm	1118	5	Uint16	2	R	False=0 True=1
Configurable Element 6	Output	1118	6	Uint16	2	R	False=0 True=1
Configurable Element 6	Alarm	1118	7	Uint16	2	R	False=0 True=1
Configurable Element 6	Pre-Alarm	1118	8	Uint16	2	R	False=0 True=1
Configurable Element 7	Output	1118	9	Uint16	2	R	False=0 True=1
Configurable Element 7	Alarm	1118	10	Uint16	2	R	False=0 True=1
Configurable Element 7	Pre-Alarm	1118	11	Uint16	2	R	False=0 True=1
Configurable Element 8	Output	1118	12	Uint16	2	R	False=0 True=1
Configurable Element 8	Alarm	1118	13	Uint16	2	R	False=0 True=1
Configurable Element 8	Pre-Alarm	1118	14	Uint16	2	R	False=0 True=1
Contact Input 1	Alarm	1118	15	Uint16	2	R	False=0 True=1
Contact Input 1	Pre-Alarm	1119	0	Uint16	2	R	False=0 True=1
Contact Input 1	State	1119	1	Uint16	2	R	False=0 True=1
Contact Input 2	Alarm	1119	2	Uint16	2	R	False=0 True=1
Contact Input 2	Pre-Alarm	1119	3	Uint16	2	R	False=0 True=1
Contact Input 2	State	1119	4	Uint16	2	R	False=0 True=1
Contact Input 3	Alarm	1119	5	Uint16	2	R	False=0 True=1
Contact Input 3	Pre-Alarm	1119	6	Uint16	2	R	False=0 True=1
Contact Input 3	State	1119	7	Uint16	2	R	False=0 True=1
Contact Input 4	Alarm	1119	8	Uint16	2	R	False=0 True=1
Contact Input 4	Pre-Alarm	1119	9	Uint16	2	R	False=0 True=1
Contact Input 4	State	1119	10	Uint16	2	R	False=0 True=1
Contact Input 5	Alarm	1119	11	Uint16	2	R	False=0 True=1
Contact Input 5	Pre-Alarm	1119	12	Uint16	2	R	False=0 True=1
Contact Input 5	State	1119	13	Uint16	2	R	False=0 True=1
Contact Input 6	Alarm	1119	14	Uint16	2	R	False=0 True=1
Contact Input 6	Pre-Alarm	1119	15	Uint16	2	R	False=0 True=1
Contact Input 6	State	1120	0	Uint16	2	R	False=0 True=1
Contact Input 7	Alarm	1120	1	Uint16	2	R	False=0 True=1
Contact Input 7	Pre-Alarm	1120	2	Uint16	2	R	False=0 True=1
Contact Input 7	State	1120	3	Uint16	2	R	False=0 True=1
Contact Input 8	Alarm	1120	4	Uint16	2	R	False=0 True=1
Contact Input 8	Pre-Alarm	1120	5	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Contact Input 8	State	1120	6	Uint16	2	R	False=0 True=1
Contact Input 9	Alarm	1120	7	Uint16	2	R	False=0 True=1
Contact Input 9	Pre-Alarm	1120	8	Uint16	2	R	False=0 True=1
Contact Input 9	State	1120	9	Uint16	2	R	False=0 True=1
Contact Input 10	Alarm	1120	10	Uint16	2	R	False=0 True=1
Contact Input 10	Pre-Alarm	1120	11	Uint16	2	R	False=0 True=1
Contact Input 10	State	1120	12	Uint16	2	R	False=0 True=1
Contact Input 11	Alarm	1120	13	Uint16	2	R	False=0 True=1
Contact Input 11	Pre-Alarm	1120	14	Uint16	2	R	False=0 True=1
Contact Input 11	State	1120	15	Uint16	2	R	False=0 True=1
Contact Input 12	Alarm	1121	0	Uint16	2	R	False=0 True=1
Contact Input 12	Pre-Alarm	1121	1	Uint16	2	R	False=0 True=1
Contact Input 12	State	1121	2	Uint16	2	R	False=0 True=1
Contact Input 13	Alarm	1121	3	Uint16	2	R	False=0 True=1
Contact Input 13	Pre-Alarm	1121	4	Uint16	2	R	False=0 True=1
Contact Input 13	State	1121	5	Uint16	2	R	False=0 True=1
Contact Input 14	Alarm	1121	6	Uint16	2	R	False=0 True=1
Contact Input 14	Pre-Alarm	1121	7	Uint16	2	R	False=0 True=1
Contact Input 14	State	1121	8	Uint16	2	R	False=0 True=1
Contact Input 15	Alarm	1121	9	Uint16	2	R	False=0 True=1
Contact Input 15	Pre-Alarm	1121	10	Uint16	2	R	False=0 True=1
Contact Input 15	State	1121	11	Uint16	2	R	False=0 True=1
Contact Input 16	Alarm	1121	12	Uint16	2	R	False=0 True=1
Contact Input 16	Pre-Alarm	1121	13	Uint16	2	R	False=0 True=1
Contact Input 16	State	1121	14	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 1	Alarm	1121	15	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 1	Pre-Alarm	1122	0	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 1	State	1122	1	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 2	Alarm	1122	2	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 2	Pre-Alarm	1122	3	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 2	State	1122	4	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 3	Alarm	1122	5	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 3	Pre-Alarm	1122	6	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 3	State	1122	7	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 4	Alarm	1122	8	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 4	Pre-Alarm	1122	9	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 4	State	1122	10	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 5	Alarm	1122	11	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 5	Pre-Alarm	1122	12	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 5	State	1122	13	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 6	Alarm	1122	14	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 6	Pre-Alarm	1122	15	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 6	State	1123	0	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 7	Alarm	1123	1	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 7	Pre-Alarm	1123	2	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 7	State	1123	3	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 8	Alarm	1123	4	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 8	Pre-Alarm	1123	5	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 8	State	1123	6	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 9	Alarm	1123	7	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 9	Pre-Alarm	1123	8	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 9	State	1123	9	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 10	Alarm	1123	10	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 10	Pre-Alarm	1123	11	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 10	State	1123	12	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 1	Alarm	1123	13	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 1	Pre-Alarm	1123	14	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 1	State	1123	15	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 2	Alarm	1124	0	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 2	Pre-Alarm	1124	1	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 2	State	1124	2	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 3	Alarm	1124	3	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 3	Pre-Alarm	1124	4	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 3	State	1124	5	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 4	Alarm	1124	6	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 4	Pre-Alarm	1124	7	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 4	State	1124	8	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 5	Alarm	1124	9	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 5	Pre-Alarm	1124	10	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 5	State	1124	11	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 6	Alarm	1124	12	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 6	Pre-Alarm	1124	13	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 6	State	1124	14	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 7	Alarm	1124	15	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 7	Pre-Alarm	1125	0	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
CEM 2 Contact Input 7	State	1125	1	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 8	Alarm	1125	2	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 8	Pre-Alarm	1125	3	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 8	State	1125	4	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 9	Alarm	1125	5	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 9	Pre-Alarm	1125	6	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 9	State	1125	7	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 10	Alarm	1125	8	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 10	Pre-Alarm	1125	9	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 10	State	1125	10	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 1	Alarm	1125	11	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 1	Pre-Alarm	1125	12	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 1	State	1125	13	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 2	Alarm	1125	14	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 2	Pre-Alarm	1125	15	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 2	State	1126	0	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 3	Alarm	1126	1	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 3	Pre-Alarm	1126	2	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 3	State	1126	3	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 4	Alarm	1126	4	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 4	Pre-Alarm	1126	5	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 4	State	1126	6	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 5	Alarm	1126	7	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 5	Pre-Alarm	1126	8	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 5	State	1126	9	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 6	Alarm	1126	10	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 6	Pre-Alarm	1126	11	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 6	State	1126	12	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 7	Alarm	1126	13	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 7	Pre-Alarm	1126	14	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 7	State	1126	15	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 8	Alarm	1127	0	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 8	Pre-Alarm	1127	1	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 8	State	1127	2	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 9	Alarm	1127	3	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 9	Pre-Alarm	1127	4	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 9	State	1127	5	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 10	Alarm	1127	6	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 10	Pre-Alarm	1127	7	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 10	State	1127	8	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 1	Alarm	1127	9	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 1	Pre-Alarm	1127	10	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 1	State	1127	11	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 2	Alarm	1127	12	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 2	Pre-Alarm	1127	13	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 2	State	1127	14	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 3	Alarm	1127	15	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 3	Pre-Alarm	1128	0	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 3	State	1128	1	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 4	Alarm	1128	2	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 4	Pre-Alarm	1128	3	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 4	State	1128	4	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 5	Alarm	1128	5	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 5	Pre-Alarm	1128	6	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 5	State	1128	7	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 6	Alarm	1128	8	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 6	Pre-Alarm	1128	9	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 6	State	1128	10	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 7	Alarm	1128	11	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 7	Pre-Alarm	1128	12	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 7	State	1128	13	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 8	Alarm	1128	14	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 8	Pre-Alarm	1128	15	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 8	State	1129	0	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 9	Alarm	1129	1	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 9	Pre-Alarm	1129	2	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 9	State	1129	3	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 10	Alarm	1129	4	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 10	Pre-Alarm	1129	5	Uint16	2	R	False=0 True=1
CEM 4 Contact Input 10	State	1129	6	Uint16	2	R	False=0 True=1
LCR Outputs	Output 1	1129	7	Uint16	2	R	False=0 True=1
LCR Outputs	Output 2	1129	8	Uint16	2	R	False=0 True=1
LCR Outputs	Output 3	1129	9	Uint16	2	R	False=0 True=1
LCR Outputs	Output 4	1129	10	Uint16	2	R	False=0 True=1
LCR Outputs	Output 5	1129	11	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
LCR Outputs	Output 6	1129	12	Uint16	2	R	False=0 True=1
LCR Outputs	Output 7	1129	13	Uint16	2	R	False=0 True=1
LCR Outputs	Output 8	1129	14	Uint16	2	R	False=0 True=1
LCR Outputs	Output 9	1129	15	Uint16	2	R	False=0 True=1
LCR Outputs	Output 10	1130	0	Uint16	2	R	False=0 True=1
LCR Outputs	Output 11	1130	1	Uint16	2	R	False=0 True=1
LCR Outputs	Output 12	1130	2	Uint16	2	R	False=0 True=1
LCR Outputs	Output 13	1130	3	Uint16	2	R	False=0 True=1
LCR Outputs	Output 14	1130	4	Uint16	2	R	False=0 True=1
LCR Outputs	Output 15	1130	5	Uint16	2	R	False=0 True=1
LCR Outputs	Output 16	1130	6	Uint16	2	R	False=0 True=1
Analog Input 1 Configuration	Analog Input Out-of-Range	1130	7	Uint16	2	R	False=0 True=1
Analog Input 1 Configuration	Analog Input Out-of-Range Pre-Alarm	1130	8	Uint16	2	R	False=0 True=1
Analog Input 1 Configuration	Analog Input Out-of-Range Alarm	1130	9	Uint16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 1 Trip	1130	10	Uint16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 1 Pre-Alarm	1130	11	Uint16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 1 Alarm	1130	12	Uint16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 2 Trip	1130	13	Uint16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 2 Pre-Alarm	1130	14	Uint16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 2 Alarm	1130	15	Uint16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 3 Trip	1131	0	Uint16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 3 Pre-Alarm	1131	1	Uint16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 3 Alarm	1131	2	Uint16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 4 Trip	1131	3	Uint16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 4 Pre-Alarm	1131	4	Uint16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 4 Alarm	1131	5	Uint16	2	R	False=0 True=1
Analog Input 2 Configuration	Analog Input Out-of-Range	1131	6	Uint16	2	R	False=0 True=1
Analog Input 2 Configuration	Analog Input Out-of-Range Pre-Alarm	1131	7	Uint16	2	R	False=0 True=1
Analog Input 2 Configuration	Analog Input Out-of-Range Alarm	1131	8	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 1 Trip	1131	9	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 1 Pre-Alarm	1131	10	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 1 Alarm	1131	11	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 2 Trip	1131	12	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 2 Pre-Alarm	1131	13	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 2 Alarm	1131	14	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 3 Trip	1131	15	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 3 Pre-Alarm	1132	0	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 3 Alarm	1132	1	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 4 Trip	1132	2	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 4 Pre-Alarm	1132	3	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 4 Alarm	1132	4	Uint16	2	R	False=0 True=1
Analog Input 3 Configuration	Analog Input Out-of-Range	1132	5	Uint16	2	R	False=0 True=1
Analog Input 3 Configuration	Analog Input Out-of-Range Pre-Alarm	1132	6	Uint16	2	R	False=0 True=1
Analog Input 3 Configuration	Analog Input Out-of-Range Alarm	1132	7	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 1 Trip	1132	8	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 1 Pre-Alarm	1132	9	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 1 Alarm	1132	10	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 2 Trip	1132	11	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 2 Pre-Alarm	1132	12	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 2 Alarm	1132	13	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 3 Trip	1132	14	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 3 Pre-Alarm	1132	15	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 3 Alarm	1133	0	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 4 Trip	1133	1	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 4 Pre-Alarm	1133	2	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 4 Alarm	1133	3	Uint16	2	R	False=0 True=1
Analog Input 4 Configuration	Analog Input Out-of-Range	1133	4	Uint16	2	R	False=0 True=1
Analog Input 4 Configuration	Analog Input Out-of-Range Pre-Alarm	1133	5	Uint16	2	R	False=0 True=1
Analog Input 4 Configuration	Analog Input Out-of-Range Alarm	1133	6	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 1 Trip	1133	7	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 1 Pre-Alarm	1133	8	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 1 Alarm	1133	9	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 2 Trip	1133	10	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 2 Pre-Alarm	1133	11	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 2 Alarm	1133	12	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 3 Trip	1133	13	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 3 Pre-Alarm	1133	14	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 3 Alarm	1133	15	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 4 Trip	1134	0	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 4 Pre-Alarm	1134	1	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 4 Alarm	1134	2	Uint16	2	R	False=0 True=1
AVR Output	Out-of-Range	1134	3	Uint16	2	R	False=0 True=1
AVR Output	Out-of-Range Pre-Alarm	1134	4	Uint16	2	R	False=0 True=1
AVR Output	Out-of-Range Alarm	1134	5	Uint16	2	R	False=0 True=1
GOV Output	Out-of-Range	1134	6	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
GOV Output	Out-of-Range Pre-Alarm	1134	7	Uint16	2	R	False=0 True=1
GOV Output	Out-of-Range Alarm	1134	8	Uint16	2	R	False=0 True=1
LS Output	Out-of-Range	1134	9	Uint16	2	R	False=0 True=1
LS Output	Out-of-Range Pre-Alarm	1134	10	Uint16	2	R	False=0 True=1
LS Output	Out-of-Range Alarm	1134	11	Uint16	2	R	False=0 True=1

Bias Control

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Bias Control	AVR Kp For Analog Bias Out	GG	2000	Float	4	R W	n/a	0 - 1000
Bias Control	AVR Ki For Analog Bias Out	GG	2002	Float	4	R W	n/a	0 - 1000
Bias Control	AVR Kd For Analog Bias Out	GG	2004	Float	4	R W	n/a	0 - 1000
Bias Control	AVR Td	GG	2006	Float	4	R W	n/a	0 - 1
Bias Control	AVR Loop Gain For Analog Bias Out	GG	2008	Float	4	R W	n/a	0 - 1000
Bias Control	AVR Enable Windup Limit	GG	2010	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Bias Control	AVR Integrator Limit Plus	GG	2012	Float	4	R W	n/a	0 - 1000
Bias Control	AVR Integrator Limit Minus	GG	2014	Float	4	R W	n/a	-1000 - 0
Bias Control	AVR Output Upper Limit	GG	2016	Float	4	R W	n/a	0 - 1000
Bias Control	AVR Output Lower Limit	GG	2018	Float	4	R W	n/a	-1000 - 0
Bias Control	GOV Kp For Analog Bias Out	GG	2020	Float	4	R W	n/a	0 - 1000
Bias Control	GOV Ki For Analog Bias Out	GG	2022	Float	4	R W	n/a	0 - 1000
Bias Control	GOV Kd For Analog Bias Out	GG	2024	Float	4	R W	n/a	0 - 1000
Bias Control	GOV Td	GG	2026	Float	4	R W	n/a	0 - 1
Bias Control	GOV Loop Gain For Analog Bias Out	GG	2028	Float	4	R W	n/a	0 - 1000
Bias Control	GOV Enable Windup Limit	GG	2030	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Bias Control	GOV Integrator Limit Plus	GG	2032	Float	4	R W	n/a	0 - 1000
Bias Control	GOV Integrator Limit Minus	GG	2034	Float	4	R W	n/a	-1000 - 0
Bias Control	GOV Output Upper Limit	GG	2036	Float	4	R W	n/a	0 - 1000
Bias Control	GOV Output Lower Limit	GG	2038	Float	4	R W	n/a	-1000 - 0
Bias Control	kvar Kp For Analog Bias Out	GG	2040	Float	4	R W	n/a	0 - 1000
Bias Control	kvar Ki For Analog Bias Out	GG	2042	Float	4	R W	n/a	0 - 1000
Bias Control	kvar Kd For Analog Bias Out	GG	2044	Float	4	R W	n/a	0 - 1000
Bias Control	kvar Td	GG	2046	Float	4	R W	n/a	0 - 1
Bias Control	kvar Loop Gain For Analog Bias Out	GG	2048	Float	4	R W	n/a	0 - 1000
Bias Control	kvar Enable Windup Limit	GG	2050	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Bias Control	kvar Integrator Limit Plus	GG	2052	Float	4	R W	n/a	0 - 1000
Bias Control	kvar Integrator Limit Minus	GG	2054	Float	4	R W	n/a	-1000 - 0
Bias Control	kvar Output Upper Limit	GG	2056	Float	4	R W	n/a	0 - 1000
Bias Control	kvar Output Lower Limit	GG	2058	Float	4	R W	n/a	-1000 - 0
Bias Control	kW Kp For Analog Bias Out	GG	2060	Float	4	R W	n/a	0 - 1000
Bias Control	kW Ki For Analog Bias Out	GG	2062	Float	4	R W	n/a	0 - 1000
Bias Control	kW Kd For Analog Bias Out	GG	2064	Float	4	R W	n/a	0 - 1000
Bias Control	kW Td	GG	2066	Float	4	R W	n/a	0 - 1
Bias Control	kW Loop Gain For Analog Bias Out	GG	2068	Float	4	R W	n/a	0 - 1000
Bias Control	kW Enable Windup Limit	GG	2070	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Bias Control	kW Integrator Limit Plus	GG	2072	Float	4	R W	n/a	0 - 1000
Bias Control	kW Integrator Limit Minus	GG	2074	Float	4	R W	n/a	-1000 - 0
Bias Control	kW Output Upper Limit	GG	2076	Float	4	R W	n/a	0 - 1000
Bias Control	kW Output Lower Limit	GG	2078	Float	4	R W	n/a	-1000 - 0
Bias Control	kW Droop Percentage	GG	2080	Float	4	R W	Percent	0.5 - 10
Bias Control	Load Control Enabled	GG	2082	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Bias Control	kW Load Rate	GG	2084	Float	4	R W	Percent	0 - 100
Bias Control	Breaker Open Setpoint	GG	2086	Float	4	R W	Percent	0 - 100
Bias Control	AVR Output Type	GG	2088	Uint32	4	R W	n/a	Contact=0 Analog=1
Bias Control	GOV Output Type	GG	2090	Uint32	4	R W	n/a	Contact=0 Analog=1
Bias Control	Governor Droop Gain	GG	2092	Float	4	R W	n/a	0 - 1000
Bias Control	AVR Droop Gain	GG	2094	Float	4	R W	n/a	0 - 1000
Bias Control	Speed Trim Enabled	GG	2096	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Bias Control	Voltage Trim Enabled	GG	2098	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Bias Control	Ramped Watt Demand Per Unit	GG	2100	Float	4	R W	n/a	n/a
Bias Control	Watt Demand Per Unit	GG	2102	Float	4	R W	n/a	n/a
Bias Control	Ramped var Demand Per Unit	GG	2104	Float	4	R W	n/a	n/a
Bias Control	AVR Inner Controller Output	GG	2106	Float	4	R W	n/a	n/a
Bias Control	AVR Outer Controller Output	GG	2108	Float	4	R W	n/a	n/a
Bias Control	GOV Inner Controller Output	GG	2110	Float	4	R W	n/a	n/a

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Bias Control	GOV Outer Controller Output	GG	2112	Float	4	R W	n/a	n/a
Bias Control	GOV Inner Controller Error	GG	2114	Float	4	R W	n/a	n/a
Bias Control	GOV Outer Controller Error	GG	2116	Float	4	R W	n/a	n/a
Bias Control	Speed Trim Setpoint	GG	2118	Float	4	R W	Hertz	47 - 100
Bias Control	var Control Enabled	GG	2120	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Bias Control	kvar Load Rate	GG	2122	Float	4	R W	Percent	0 - 100
Bias Control	kW Setpoint Source	GG	2124	Uint32	4	R W	n/a	User Setting=0 Local Analog Input 1=1 Local Analog Input 2=2 Local Analog Input 3=3 Local Analog Input 4=4 AEM 1 Analog Input 1=5 AEM 1 Analog Input 2=6 AEM 1 Analog Input 3=7 AEM 1 Analog Input 4=8 AEM 1 Analog Input 5=9 AEM 1 Analog Input 6=10 AEM 1 Analog Input 7=11 AEM 1 Analog Input 8=12 AEM 2 Analog Input 1=13 AEM 2 Analog Input 2=14 AEM 2 Analog Input 3=15 AEM 2 Analog Input 4=16 AEM 2 Analog Input 5=17 AEM 2 Analog Input 6=18 AEM 2 Analog Input 7=19 AEM 2 Analog Input 8=20 AEM 3 Analog Input 1=21 AEM 3 Analog Input 2=22 AEM 3 Analog Input 3=23 AEM 3 Analog Input 4=24 AEM 3 Analog Input 5=25 AEM 3 Analog Input 6=26 AEM 3 Analog Input 7=27 AEM 3 Analog Input 8=28 AEM 4 Analog Input 1=29 AEM 4 Analog Input 2=30 AEM 4 Analog Input 3=31 AEM 4 Analog Input 4=32 AEM 4 Analog Input 5=33 AEM 4 Analog Input 6=34 AEM 4 Analog Input 7=35 AEM 4 Analog Input 8=36
Bias Control	kvar Setpoint Source	GG	2126	Uint32	4	R W	n/a	User Setting=0 Local Analog Input 1=1 Local Analog Input 2=2 Local Analog Input 3=3 Local Analog Input 4=4 AEM 1 Analog Input 1=5 AEM 1 Analog Input 2=6 AEM 1 Analog Input 3=7 AEM 1 Analog Input 4=8 AEM 1 Analog Input 5=9 AEM 1 Analog Input 6=10 AEM 1 Analog Input 7=11 AEM 1 Analog Input 8=12 AEM 2 Analog Input 1=13 AEM 2 Analog Input 2=14 AEM 2 Analog Input 3=15 AEM 2 Analog Input 4=16 AEM 2 Analog Input 5=17 AEM 2 Analog Input 6=18 AEM 2 Analog Input 7=19 AEM 2 Analog Input 8=20 AEM 3 Analog Input 1=21 AEM 3 Analog Input 2=22 AEM 3 Analog Input 3=23 AEM 3 Analog Input 4=24 AEM 3 Analog Input 5=25 AEM 3 Analog Input 6=26 AEM 3 Analog Input 7=27 AEM 3 Analog Input 8=28 AEM 4 Analog Input 1=29 AEM 4 Analog Input 2=30 AEM 4 Analog Input 3=31 AEM 4 Analog Input 4=32 AEM 4 Analog Input 5=33 AEM 4 Analog Input 6=34 AEM 4 Analog Input 7=35 AEM 4 Analog Input 8=36

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Bias Control	PF Setpoint Source	GG	2128	Uint32	4	R W	n/a	User Setting=0 Local Analog Input 1=1 Local Analog Input 2=2 Local Analog Input 3=3 Local Analog Input 4=4 AEM 1 Analog Input 1=5 AEM 1 Analog Input 2=6 AEM 1 Analog Input 3=7 AEM 1 Analog Input 4=8 AEM 1 Analog Input 5=9 AEM 1 Analog Input 6=10 AEM 1 Analog Input 7=11 AEM 1 Analog Input 8=12 AEM 2 Analog Input 1=13 AEM 2 Analog Input 2=14 AEM 2 Analog Input 3=15 AEM 2 Analog Input 4=16 AEM 2 Analog Input 5=17 AEM 2 Analog Input 6=18 AEM 2 Analog Input 7=19 AEM 2 Analog Input 8=20 AEM 3 Analog Input 1=21 AEM 3 Analog Input 2=22 AEM 3 Analog Input 3=23 AEM 3 Analog Input 4=24 AEM 3 Analog Input 5=25 AEM 3 Analog Input 6=26 AEM 3 Analog Input 7=27 AEM 3 Analog Input 8=28 AEM 4 Analog Input 1=29 AEM 4 Analog Input 2=30 AEM 4 Analog Input 3=31 AEM 4 Analog Input 4=32 AEM 4 Analog Input 5=33 AEM 4 Analog Input 6=34 AEM 4 Analog Input 7=35 AEM 4 Analog Input 8=36
Bias Control	Base Load Analog Max	GG	2130	Float	4	R W	Percent	0 - 100
Bias Control	Base Load Analog Min	GG	2132	Float	4	R W	Percent	0 - 100
Bias Control	kvar Analog Max	GG	2134	Float	4	R W	Percent	-100 - 100
Bias Control	kvar Analog Min	GG	2136	Float	4	R W	Percent	-100 - 100
Bias Control	PF Analog Max	GG	2138	Uint32	4	R W	n/a	160 - 240
Bias Control	PF Analog Min	GG	2140	Uint32	4	R W	n/a	160 - 240
Bias Control	var Droop Percentage	GG	2142	Float	4	R W	Percent	0.5 - 10
Bias Control	Base Load Level	GG	2144	Float	4	R W	Percent	0 - 100
Bias Control	kvar Setpoint	GG	2146	Float	4	R W	Percent	-100 - 100
Bias Control	PF Setpoint	GG	2148	Uint32	4	R W	n/a	160 - 240
Bias Control	var Control Mode	GG	2150	Uint32	4	R W	n/a	var Control=0 PF Control=1
Bias Control	Load Share Interface	GG	2152	Uint32	4	R W	n/a	Load Share Line=0 Ethernet Comms=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Bias Control	Remote Speed Bias Source	GG	2154	Uint32	4	R W	n/a	None=0 Local Analog Input 1=1 Local Analog Input 2=2 Local Analog Input 3=3 Local Analog Input 4=4 AEM 1 Analog Input 1=5 AEM 1 Analog Input 2=6 AEM 1 Analog Input 3=7 AEM 1 Analog Input 4=8 AEM 1 Analog Input 5=9 AEM 1 Analog Input 6=10 AEM 1 Analog Input 7=11 AEM 1 Analog Input 8=12 AEM 2 Analog Input 1=13 AEM 2 Analog Input 2=14 AEM 2 Analog Input 3=15 AEM 2 Analog Input 4=16 AEM 2 Analog Input 5=17 AEM 2 Analog Input 6=18 AEM 2 Analog Input 7=19 AEM 2 Analog Input 8=20 AEM 3 Analog Input 1=21 AEM 3 Analog Input 2=22 AEM 3 Analog Input 3=23 AEM 3 Analog Input 4=24 AEM 3 Analog Input 5=25 AEM 3 Analog Input 6=26 AEM 3 Analog Input 7=27 AEM 3 Analog Input 8=28 AEM 4 Analog Input 1=29 AEM 4 Analog Input 2=30 AEM 4 Analog Input 3=31 AEM 4 Analog Input 4=32 AEM 4 Analog Input 5=33 AEM 4 Analog Input 6=34 AEM 4 Analog Input 7=35 AEM 4 Analog Input 8=36
Bias Control	Remote Speed Bias Setpoint	GG	2156	Float	4	R W	Percent	0 - 5
BiasControl	KwRampStatus	GG	2158	Uint32	4	R	n/a	Up=0 Down=1 None=2
BiasControl	KvarRampStatus	GG	2160	Uint32	4	R	n/a	Up=0 Down=1 None=2
Bias Control	Speed Bias Output	GG	2162	Float	4	R	n/a	n/a
Bias Control	Voltage Bias Output	GG	2164	Float	4	R	n/a	n/a
Bias Control	Generated kW	GG	2166	Float	4	R	kilowatt	n/a
Bias Control	Generated kvar	GG	2168	Float	4	R	kilovar	n/a

Breaker Settings

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
81-1	Open Mains Breaker On Trip	SG0	2500	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-1	Open Mains Breaker On Trip	SG1	2502	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-1	Open Mains Breaker On Trip	SG2	2504	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-1	Open Mains Breaker On Trip	SG3	2506	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-2	Open Mains Breaker On Trip	SG0	2508	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-2	Open Mains Breaker On Trip	SG1	2510	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-2	Open Mains Breaker On Trip	SG2	2512	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-2	Open Mains Breaker On Trip	SG3	2514	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-3	Open Mains Breaker On Trip	SG0	2516	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-3	Open Mains Breaker On Trip	SG1	2518	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-3	Open Mains Breaker On Trip	SG2	2520	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-3	Open Mains Breaker On Trip	SG3	2522	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-4	Open Mains Breaker On Trip	SG0	2524	Uint32	4	R W	n/a	Disabled=0 Enabled=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
81-4	Open Mains Breaker On Trip	SG1	2526	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-4	Open Mains Breaker On Trip	SG2	2528	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-4	Open Mains Breaker On Trip	SG3	2530	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-5	Open Mains Breaker On Trip	SG0	2532	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-5	Open Mains Breaker On Trip	SG1	2534	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-5	Open Mains Breaker On Trip	SG2	2536	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-5	Open Mains Breaker On Trip	SG3	2538	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-6	Open Mains Breaker On Trip	SG0	2540	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-6	Open Mains Breaker On Trip	SG1	2542	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-6	Open Mains Breaker On Trip	SG2	2544	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-6	Open Mains Breaker On Trip	SG3	2546	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-7	Open Mains Breaker On Trip	SG0	2548	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-7	Open Mains Breaker On Trip	SG1	2550	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-7	Open Mains Breaker On Trip	SG2	2552	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-7	Open Mains Breaker On Trip	SG3	2554	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-8	Open Mains Breaker On Trip	SG0	2556	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-8	Open Mains Breaker On Trip	SG1	2558	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-8	Open Mains Breaker On Trip	SG2	2560	Uint32	4	R W	n/a	Disabled=0 Enabled=1
81-8	Open Mains Breaker On Trip	SG3	2562	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-1	Open Mains Breaker On Trip	SG0	2564	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-1	Open Mains Breaker On Trip	SG1	2566	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-1	Open Mains Breaker On Trip	SG2	2568	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-1	Open Mains Breaker On Trip	SG3	2570	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-2	Open Mains Breaker On Trip	SG0	2572	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-2	Open Mains Breaker On Trip	SG1	2574	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-2	Open Mains Breaker On Trip	SG2	2576	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-2	Open Mains Breaker On Trip	SG3	2578	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Breaker Management	Dead Bus Close Enable	GG	2580	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Breaker Management	Dead Gen Close Enable	GG	2582	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Breaker Management	In Phase Monitor Enable	GG	2584	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Breaker Management	Breaker Close Wait Time	GG	2586	Uint32	4	R W	Millisecond	100 - 600000
Breaker Management	Close Fail Pre-Alarm Enable	GG	2588	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Breaker Management	Open Fail Pre-Alarm Enable	GG	2590	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Breaker Management	Close Fail Pre-Alarm Monitor	GG	2592	Uint32	4	R W	n/a	Transition Only=0 Always=1
Breaker Management	Open Fail Pre-Alarm Monitor	GG	2594	Uint32	4	R W	n/a	Transition Only=0 Always=1
Breaker Management	Bus Live Close Enable	GG	2596	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Breaker Management	Breaker System Config	GG	2598	Uint32	4	R W	n/a	None=0 GB=1 GB-MB=2 GB-MB with Load Sesing=3
Sync	Sync Fail Pre-Alarm Enable	GG	2600	Uint32	4	R W	n/a	Disabled=0 Enabled=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Sync	Source Volt Greater Than Destination Volt	GG	2602	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Sync	Voltage Difference	GG	2604	Float	4	R W	Percent	2 - 15
Sync	Synchronizer Type	GG	2606	Uint32	4	R W	n/a	Anticipatory=0 Phase Lock Loop=1
Sync	Volt Error Gain	GG	2608	Float	4	R W	n/a	0.001 - 1000
Sync	Speed Error Gain	GG	2610	Float	4	R W	n/a	0.001 - 1000
Sync	Max Slip Control Limit	GG	2612	Float	4	R W	Hertz	0 - 2
Sync	Min Slip Control Limit	GG	2614	Float	4	R W	Hertz	0 - 2
Sync	Slip Frequency	GG	2616	Float	4	R W	Hertz	0.01 - 0.5
Sync	Source Freq Greater Than Destination Freq	GG	2618	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Sync	Closing Angle	GG	2620	Float	4	R W	Degree	3 - 20
Sync	Sync Fail Activation Delay	GG	2622	Uint32	4	R W	Millisecond	100 - 600000
Sync	Activation Delay	GG	2624	Uint32	4	R W	Millisecond	100 - 800
Sync	Sync Mode	GG	2626	Uint32	4	R W	n/a	Sync Run=0 Sync Check=1 Sync Only=2
Generator Breaker	Continuous Output	GG	2628	Uint32	4	R W	n/a	Pulse=0 Continuous=1
Generator Breaker	Open Pulse Time	GG	2630	Uint32	4	R W	Millisecond	10 - 10000
Generator Breaker	Close Pulse Time	GG	2632	Uint32	4	R W	Millisecond	10 - 10000
Generator Breaker	Breaker Close Time	GG	2634	Uint32	4	R W	Millisecond	0 - 1000
Generator Breaker	Configured	GG	2636	Uint32	4	R W	n/a	Not Configured=0 Configured=1
Generator Breaker	Source Bus	GG	2638	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
Generator Breaker	Destination Bus	GG	2640	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
Generator Breaker	Transition Delay	GG	2642	Float	4	R W	Second	0 - 10
Generator Breaker	External Status Change Action	GG	2644	Uint32	4	R W	n/a	Ignore=0 Follow Always=1 Follow In Auto=2
Generator Breaker	Open Attempts	GG	2646	Uint32	4	R W	n/a	1 - 20
Generator Breaker	Close Attempts	GG	2648	Uint32	4	R W	n/a	1 - 20
Generator Breaker	Retry Delay	GG	2650	Uint32	4	R W	Second	0 - 1200
Generator Breaker	Fail Output Config	GG	2652	Uint32	4	R W	n/a	Retain=0 Remove=1
Mains Breaker	Continuous Output	GG	2654	Uint32	4	R W	n/a	Pulse=0 Continuous=1
Mains Breaker	Open Pulse Time	GG	2656	Uint32	4	R W	Millisecond	10 - 10000
Mains Breaker	Close Pulse Time	GG	2658	Uint32	4	R W	Millisecond	10 - 10000
Mains Breaker	Breaker Close Time	GG	2660	Uint32	4	R W	Millisecond	0 - 1000
Mains Breaker	Configured	GG	2662	Uint32	4	R W	n/a	Not Configured=0 Configured=1
Mains Breaker	Source Bus	GG	2664	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
Mains Breaker	Destination Bus	GG	2666	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
Mains Breaker	Transition Delay	GG	2668	Float	4	R W	Second	0 - 10
Mains Breaker	External Status Change Action	GG	2670	Uint32	4	R W	n/a	Ignore=0 Follow Always=1 Follow In Auto=2
Mains Breaker	Open Attempts	GG	2672	Uint32	4	R W	n/a	1 - 20
Mains Breaker	Close Attempts	GG	2674	Uint32	4	R W	n/a	1 - 20
Mains Breaker	Retry Delay	GG	2676	Uint32	4	R W	Second	0 - 1200
Mains Breaker	Fail Output Config	GG	2678	Uint32	4	R W	n/a	Retain=0 Remove=1
Breaker Local Request Generation	Transfer Enabled	GG	2680	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Breaker Local Request Generation	Closed Transfer Enabled	GG	2682	Uint32	4	R W	n/a	Open=0 Closed=1
Breaker Local Request Generation	Reverse Rotation Mains Fail Transfer Inhibit	GG	2684	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Breaker Local Request Generation	Return Delay	GG	2686	Uint32	4	R W	Second	0 - 1800
Breaker Local Request Generation	Transfer Delay	GG	2688	Uint32	4	R W	Second	0 - 300
Breaker Local Request Generation	Max Transfer Time	GG	2690	Uint32	4	R W	Second	10 - 120
Breaker Local Request Generation	Max Parallel Time	GG	2692	Uint32	4	R W	Decisecond	1 - 100000
Breaker Local Request Generation	Alarm State Transfer To Mains	GG	2694	Uint32	4	R W	n/a	Disabled=0 Enabled=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Breaker Local Request Generation	Mains Breaker Open Config	GG	2696	Uint32	4	R W	n/a	Generator Start=0 Generator Stable=1
Breaker Local Request Generation	Mains Zero Power Flow Level	GG	2698	Uint32	4	R W	Percent	1 - 100
Breaker Local Request Generation	Open Transition Delay	GG	2700	Uint32	4	R W	Decisecond	0 - 100,000

Bus Condition

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Gen Condition	Dead Pickup	SG0 1P	3000	Float	4	R W	Volt	0 - 4800
Gen Condition	Dead Time Delay	SG0 1P	3002	Float	4	R W	Second	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG0 1P	3004	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Undervoltage Dropout	SG0 1P	3006	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Pickup	SG0 1P	3008	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Dropout	SG0 1P	3010	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Underfrequency Pickup	SG0 1P	3012	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG0 1P	3014	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Overfrequency Pickup	SG0 1P	3016	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG0 1P	3018	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Time Delay	SG0 1P	3020	Float	4	R W	Second	0.1 - 600
Gen Condition	Fail Time Delay	SG0 1P	3022	Float	4	R W	Second	0.1 - 600
Gen Condition	Low-Line Scale	SG0 1P	3024	Float	4	R W	n/a	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG0 1P	3026	Float	4	R W	n/a	0.001 - 100
Gen Condition	Dead Pickup	SG0 3P	3028	Float	4	R W	Volt	0 - 4800
Gen Condition	Dead Time Delay	SG0 3P	3030	Float	4	R W	Second	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG0 3P	3032	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Undervoltage Dropout	SG0 3P	3034	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Pickup	SG0 3P	3036	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Dropout	SG0 3P	3038	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Underfrequency Pickup	SG0 3P	3040	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG0 3P	3042	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Overfrequency Pickup	SG0 3P	3044	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG0 3P	3046	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Time Delay	SG0 3P	3048	Float	4	R W	Second	0.1 - 600
Gen Condition	Fail Time Delay	SG0 3P	3050	Float	4	R W	Second	0.1 - 600
Gen Condition	Low-Line Scale	SG0 3P	3052	Float	4	R W	n/a	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG0 3P	3054	Float	4	R W	n/a	0.001 - 100
Gen Condition	Dead Pickup	SG1 1P	3056	Float	4	R W	Volt	0 - 4800
Gen Condition	Dead Time Delay	SG1 1P	3058	Float	4	R W	Second	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG1 1P	3060	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Undervoltage Dropout	SG1 1P	3062	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Pickup	SG1 1P	3064	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Dropout	SG1 1P	3066	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Underfrequency Pickup	SG1 1P	3068	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG1 1P	3070	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Overfrequency Pickup	SG1 1P	3072	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG1 1P	3074	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Time Delay	SG1 1P	3076	Float	4	R W	Second	0.1 - 600
Gen Condition	Fail Time Delay	SG1 1P	3078	Float	4	R W	Second	0.1 - 600
Gen Condition	Low-Line Scale	SG1 1P	3080	Float	4	R W	n/a	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG1 1P	3082	Float	4	R W	n/a	0.001 - 100
Gen Condition	Dead Pickup	SG1 3P	3084	Float	4	R W	Volt	0 - 4800
Gen Condition	Dead Time Delay	SG1 3P	3086	Float	4	R W	Second	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG1 3P	3088	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Undervoltage Dropout	SG1 3P	3090	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Pickup	SG1 3P	3092	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Dropout	SG1 3P	3094	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Underfrequency Pickup	SG1 3P	3096	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG1 3P	3098	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Overfrequency Pickup	SG1 3P	3100	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG1 3P	3102	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Time Delay	SG1 3P	3104	Float	4	R W	Second	0.1 - 600
Gen Condition	Fail Time Delay	SG1 3P	3106	Float	4	R W	Second	0.1 - 600
Gen Condition	Low-Line Scale	SG1 3P	3108	Float	4	R W	n/a	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG1 3P	3110	Float	4	R W	n/a	0.001 - 100
Gen Condition	Dead Pickup	SG2 1P	3112	Float	4	R W	Volt	0 - 4800
Gen Condition	Dead Time Delay	SG2 1P	3114	Float	4	R W	Second	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG2 1P	3116	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Undervoltage Dropout	SG2 1P	3118	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Pickup	SG2 1P	3120	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Dropout	SG2 1P	3122	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Underfrequency Pickup	SG2 1P	3124	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG2 1P	3126	Float	4	R W	Hertz	46 - 64

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Gen Condition	Stable Overfrequency Pickup	SG2 1P	3128	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG2 1P	3130	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Time Delay	SG2 1P	3132	Float	4	R W	Second	0.1 - 600
Gen Condition	Fail Time Delay	SG2 1P	3134	Float	4	R W	Second	0.1 - 600
Gen Condition	Low-Line Scale	SG2 1P	3136	Float	4	R W	n/a	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG2 1P	3138	Float	4	R W	n/a	0.001 - 100
Gen Condition	Dead Pickup	SG2 3P	3140	Float	4	R W	Volt	0 - 4800
Gen Condition	Dead Time Delay	SG2 3P	3142	Float	4	R W	Second	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG2 3P	3144	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Undervoltage Dropout	SG2 3P	3146	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Pickup	SG2 3P	3148	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Dropout	SG2 3P	3150	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Underfrequency Pickup	SG2 3P	3152	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG2 3P	3154	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Overfrequency Pickup	SG2 3P	3156	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG2 3P	3158	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Time Delay	SG2 3P	3160	Float	4	R W	Second	0.1 - 600
Gen Condition	Fail Time Delay	SG2 3P	3162	Float	4	R W	Second	0.1 - 600
Gen Condition	Low-Line Scale	SG2 3P	3164	Float	4	R W	n/a	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG2 3P	3166	Float	4	R W	n/a	0.001 - 100
Gen Condition	Dead Pickup	SG3 1P	3168	Float	4	R W	Volt	0 - 4800
Gen Condition	Dead Time Delay	SG3 1P	3170	Float	4	R W	Second	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG3 1P	3172	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Undervoltage Dropout	SG3 1P	3174	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Pickup	SG3 1P	3176	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Dropout	SG3 1P	3178	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Underfrequency Pickup	SG3 1P	3180	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG3 1P	3182	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Overfrequency Pickup	SG3 1P	3184	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG3 1P	3186	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Time Delay	SG3 1P	3188	Float	4	R W	Second	0.1 - 600
Gen Condition	Fail Time Delay	SG3 1P	3190	Float	4	R W	Second	0.1 - 600
Gen Condition	Low-Line Scale	SG3 1P	3192	Float	4	R W	n/a	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG3 1P	3194	Float	4	R W	n/a	0.001 - 100
Gen Condition	Dead Pickup	SG3 3P	3196	Float	4	R W	Volt	0 - 4800
Gen Condition	Dead Time Delay	SG3 3P	3198	Float	4	R W	Second	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG3 3P	3200	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Undervoltage Dropout	SG3 3P	3202	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Pickup	SG3 3P	3204	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Overvoltage Dropout	SG3 3P	3206	Float	4	R W	Volt	10 - 99999
Gen Condition	Stable Underfrequency Pickup	SG3 3P	3208	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG3 3P	3210	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Overfrequency Pickup	SG3 3P	3212	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG3 3P	3214	Float	4	R W	Hertz	46 - 64
Gen Condition	Stable Time Delay	SG3 3P	3216	Float	4	R W	Second	0.1 - 600
Gen Condition	Fail Time Delay	SG3 3P	3218	Float	4	R W	Second	0.1 - 600
Gen Condition	Low-Line Scale	SG3 3P	3220	Float	4	R W	n/a	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG3 3P	3222	Float	4	R W	n/a	0.001 - 100
Bus1 Condition	Dead Pickup	SG0 1P	3224	Float	4	R W	Volt	0 - 4800
Bus1 Condition	Dead Time Delay	SG0 1P	3226	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG0 1P	3228	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Undervoltage Dropout	SG0 1P	3230	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Overvoltage Pickup	SG0 1P	3232	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Overvoltage Dropout	SG0 1P	3234	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Underfrequency Pickup	SG0 1P	3236	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Underfrequency Dropout	SG0 1P	3238	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG0 1P	3240	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG0 1P	3242	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Time Delay	SG0 1P	3244	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Fail Time Delay	SG0 1P	3246	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Low-Line Scale	SG0 1P	3248	Float	4	R W	n/a	0.001 - 3
Bus1 Condition	Alternate Frequency Scale	SG0 1P	3250	Float	4	R W	n/a	0.001 - 100
Bus1 Condition	Dead Pickup	SG0 3P	3252	Float	4	R W	Volt	0 - 4800
Bus1 Condition	Dead Time Delay	SG0 3P	3254	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG0 3P	3256	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Undervoltage Dropout	SG0 3P	3258	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Overvoltage Pickup	SG0 3P	3260	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Overvoltage Dropout	SG0 3P	3262	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Underfrequency Pickup	SG0 3P	3264	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Underfrequency Dropout	SG0 3P	3266	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG0 3P	3268	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG0 3P	3270	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Time Delay	SG0 3P	3272	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Fail Time Delay	SG0 3P	3274	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Low-Line Scale	SG0 3P	3276	Float	4	R W	n/a	0.001 - 3

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Bus1 Condition	Alternate Frequency Scale	SG0 3P	3278	Float	4	R W	n/a	0.001 - 100
Bus1 Condition	Dead Pickup	SG1 1P	3280	Float	4	R W	Volt	0 - 4800
Bus1 Condition	Dead Time Delay	SG1 1P	3282	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG1 1P	3284	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Undervoltage Dropout	SG1 1P	3286	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Overvoltage Pickup	SG1 1P	3288	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Overvoltage Dropout	SG1 1P	3290	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Underfrequency Pickup	SG1 1P	3292	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Underfrequency Dropout	SG1 1P	3294	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG1 1P	3296	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG1 1P	3298	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Time Delay	SG1 1P	3300	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Fail Time Delay	SG1 1P	3302	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Low-Line Scale	SG1 1P	3304	Float	4	R W	n/a	0.001 - 3
Bus1 Condition	Alternate Frequency Scale	SG1 1P	3306	Float	4	R W	n/a	0.001 - 100
Bus1 Condition	Dead Pickup	SG1 3P	3308	Float	4	R W	Volt	0 - 4800
Bus1 Condition	Dead Time Delay	SG1 3P	3310	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG1 3P	3312	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Undervoltage Dropout	SG1 3P	3314	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Overvoltage Pickup	SG1 3P	3316	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Overvoltage Dropout	SG1 3P	3318	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Underfrequency Pickup	SG1 3P	3320	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Underfrequency Dropout	SG1 3P	3322	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG1 3P	3324	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG1 3P	3326	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Time Delay	SG1 3P	3328	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Fail Time Delay	SG1 3P	3330	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Low-Line Scale	SG1 3P	3332	Float	4	R W	n/a	0.001 - 3
Bus1 Condition	Alternate Frequency Scale	SG1 3P	3334	Float	4	R W	n/a	0.001 - 100
Bus1 Condition	Dead Pickup	SG2 1P	3336	Float	4	R W	Volt	0 - 4800
Bus1 Condition	Dead Time Delay	SG2 1P	3338	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG2 1P	3340	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Undervoltage Dropout	SG2 1P	3342	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Overvoltage Pickup	SG2 1P	3344	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Overvoltage Dropout	SG2 1P	3346	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Underfrequency Pickup	SG2 1P	3348	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Underfrequency Dropout	SG2 1P	3350	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG2 1P	3352	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG2 1P	3354	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Time Delay	SG2 1P	3356	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Fail Time Delay	SG2 1P	3358	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Low-Line Scale	SG2 1P	3360	Float	4	R W	n/a	0.001 - 3
Bus1 Condition	Alternate Frequency Scale	SG2 1P	3362	Float	4	R W	n/a	0.001 - 100
Bus1 Condition	Dead Pickup	SG2 3P	3364	Float	4	R W	Volt	0 - 4800
Bus1 Condition	Dead Time Delay	SG2 3P	3366	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG2 3P	3368	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Undervoltage Dropout	SG2 3P	3370	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Overvoltage Pickup	SG2 3P	3372	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Overvoltage Dropout	SG2 3P	3374	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Underfrequency Pickup	SG2 3P	3376	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Underfrequency Dropout	SG2 3P	3378	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG2 3P	3380	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG2 3P	3382	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Time Delay	SG2 3P	3384	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Fail Time Delay	SG2 3P	3386	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Low-Line Scale	SG2 3P	3388	Float	4	R W	n/a	0.001 - 3
Bus1 Condition	Alternate Frequency Scale	SG2 3P	3390	Float	4	R W	n/a	0.001 - 100
Bus1 Condition	Dead Pickup	SG3 1P	3392	Float	4	R W	Volt	0 - 4800
Bus1 Condition	Dead Time Delay	SG3 1P	3394	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG3 1P	3396	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Undervoltage Dropout	SG3 1P	3398	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Overvoltage Pickup	SG3 1P	3400	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Overvoltage Dropout	SG3 1P	3402	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Underfrequency Pickup	SG3 1P	3404	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Underfrequency Dropout	SG3 1P	3406	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG3 1P	3408	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG3 1P	3410	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Time Delay	SG3 1P	3412	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Fail Time Delay	SG3 1P	3414	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Low-Line Scale	SG3 1P	3416	Float	4	R W	n/a	0.001 - 3
Bus1 Condition	Alternate Frequency Scale	SG3 1P	3418	Float	4	R W	n/a	0.001 - 100
Bus1 Condition	Dead Pickup	SG3 3P	3420	Float	4	R W	Volt	0 - 4800
Bus1 Condition	Dead Time Delay	SG3 3P	3422	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG3 3P	3424	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Undervoltage Dropout	SG3 3P	3426	Float	4	R W	Volt	10 - 99999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Bus1 Condition	Stable Overvoltage Pickup	SG3 3P	3428	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Overvoltage Dropout	SG3 3P	3430	Float	4	R W	Volt	10 - 99999
Bus1 Condition	Stable Underfrequency Pickup	SG3 3P	3432	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Underfrequency Dropout	SG3 3P	3434	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG3 3P	3436	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG3 3P	3438	Float	4	R W	Hertz	46 - 64
Bus1 Condition	Stable Time Delay	SG3 3P	3440	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Fail Time Delay	SG3 3P	3442	Float	4	R W	Second	0.1 - 600
Bus1 Condition	Low-Line Scale	SG3 3P	3444	Float	4	R W	n/a	0.001 - 3
Bus1 Condition	Alternate Frequency Scale	SG3 3P	3446	Float	4	R W	n/a	0.001 - 100
Bus2 Condition	Dead Pickup	SG0 1P	3448	Float	4	R W	Volt	0 - 4800
Bus2 Condition	Dead Time Delay	SG0 1P	3450	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG0 1P	3452	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Undervoltage Dropout	SG0 1P	3454	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Overvoltage Pickup	SG0 1P	3456	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Overvoltage Dropout	SG0 1P	3458	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Underfrequency Pickup	SG0 1P	3460	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG0 1P	3462	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG0 1P	3464	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Overfrequency Dropout	SG0 1P	3466	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Time Delay	SG0 1P	3468	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Fail Time Delay	SG0 1P	3470	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Low-Line Scale	SG0 1P	3472	Float	4	R W	n/a	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG0 1P	3474	Float	4	R W	n/a	0.001 - 100
Bus2 Condition	Dead Pickup	SG0 3P	3476	Float	4	R W	Volt	0 - 4800
Bus2 Condition	Dead Time Delay	SG0 3P	3478	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG0 3P	3480	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Undervoltage Dropout	SG0 3P	3482	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Overvoltage Pickup	SG0 3P	3484	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Overvoltage Dropout	SG0 3P	3486	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Underfrequency Pickup	SG0 3P	3488	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG0 3P	3490	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG0 3P	3492	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Overfrequency Dropout	SG0 3P	3494	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Time Delay	SG0 3P	3496	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Fail Time Delay	SG0 3P	3498	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Low-Line Scale	SG0 3P	3500	Float	4	R W	n/a	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG0 3P	3502	Float	4	R W	n/a	0.001 - 100
Bus2 Condition	Dead Pickup	SG1 1P	3504	Float	4	R W	Volt	0 - 4800
Bus2 Condition	Dead Time Delay	SG1 1P	3506	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG1 1P	3508	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Undervoltage Dropout	SG1 1P	3510	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Overvoltage Pickup	SG1 1P	3512	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Overvoltage Dropout	SG1 1P	3514	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Underfrequency Pickup	SG1 1P	3516	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG1 1P	3518	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG1 1P	3520	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Overfrequency Dropout	SG1 1P	3522	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Time Delay	SG1 1P	3524	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Fail Time Delay	SG1 1P	3526	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Low-Line Scale	SG1 1P	3528	Float	4	R W	n/a	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG1 1P	3530	Float	4	R W	n/a	0.001 - 100
Bus2 Condition	Dead Pickup	SG1 3P	3532	Float	4	R W	Volt	0 - 4800
Bus2 Condition	Dead Time Delay	SG1 3P	3534	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG1 3P	3536	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Undervoltage Dropout	SG1 3P	3538	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Overvoltage Pickup	SG1 3P	3540	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Overvoltage Dropout	SG1 3P	3542	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Underfrequency Pickup	SG1 3P	3544	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG1 3P	3546	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG1 3P	3548	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Overfrequency Dropout	SG1 3P	3550	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Time Delay	SG1 3P	3552	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Fail Time Delay	SG1 3P	3554	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Low-Line Scale	SG1 3P	3556	Float	4	R W	n/a	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG1 3P	3558	Float	4	R W	n/a	0.001 - 100
Bus2 Condition	Dead Pickup	SG2 1P	3560	Float	4	R W	Volt	0 - 4800
Bus2 Condition	Dead Time Delay	SG2 1P	3562	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG2 1P	3564	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Undervoltage Dropout	SG2 1P	3566	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Overvoltage Pickup	SG2 1P	3568	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Overvoltage Dropout	SG2 1P	3570	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Underfrequency Pickup	SG2 1P	3572	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG2 1P	3574	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG2 1P	3576	Float	4	R W	Hertz	46 - 64

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Bus2 Condition	Stable Overfrequency Dropout	SG2 1P	3578	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Time Delay	SG2 1P	3580	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Fail Time Delay	SG2 1P	3582	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Low-Line Scale	SG2 1P	3584	Float	4	R W	n/a	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG2 1P	3586	Float	4	R W	n/a	0.001 - 100
Bus2 Condition	Dead Pickup	SG2 3P	3588	Float	4	R W	Volt	0 - 4800
Bus2 Condition	Dead Time Delay	SG2 3P	3590	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG2 3P	3592	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Undervoltage Dropout	SG2 3P	3594	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Overvoltage Pickup	SG2 3P	3596	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Undervoltage Dropout	SG2 3P	3598	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Underfrequency Pickup	SG2 3P	3600	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG2 3P	3602	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG2 3P	3604	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Overfrequency Dropout	SG2 3P	3606	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Time Delay	SG2 3P	3608	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Fail Time Delay	SG2 3P	3610	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Low-Line Scale	SG2 3P	3612	Float	4	R W	n/a	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG2 3P	3614	Float	4	R W	n/a	0.001 - 100
Bus2 Condition	Dead Pickup	SG3 1P	3616	Float	4	R W	Volt	0 - 4800
Bus2 Condition	Dead Time Delay	SG3 1P	3618	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG3 1P	3620	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Undervoltage Dropout	SG3 1P	3622	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Overvoltage Pickup	SG3 1P	3624	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Overvoltage Dropout	SG3 1P	3626	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Underfrequency Pickup	SG3 1P	3628	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG3 1P	3630	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG3 1P	3632	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Overfrequency Dropout	SG3 1P	3634	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Time Delay	SG3 1P	3636	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Fail Time Delay	SG3 1P	3638	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Low-Line Scale	SG3 1P	3640	Float	4	R W	n/a	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG3 1P	3642	Float	4	R W	n/a	0.001 - 100
Bus2 Condition	Dead Pickup	SG3 3P	3644	Float	4	R W	Volt	0 - 4800
Bus2 Condition	Dead Time Delay	SG3 3P	3646	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG3 3P	3648	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Undervoltage Dropout	SG3 3P	3650	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Overvoltage Pickup	SG3 3P	3652	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Overvoltage Dropout	SG3 3P	3654	Float	4	R W	Volt	10 - 99999
Bus2 Condition	Stable Underfrequency Pickup	SG3 3P	3656	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG3 3P	3658	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG3 3P	3660	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Overfrequency Dropout	SG3 3P	3662	Float	4	R W	Hertz	46 - 64
Bus2 Condition	Stable Time Delay	SG3 3P	3664	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Fail Time Delay	SG3 3P	3666	Float	4	R W	Second	0.1 - 600
Bus2 Condition	Low-Line Scale	SG3 3P	3668	Float	4	R W	n/a	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG3 3P	3670	Float	4	R W	n/a	0.001 - 100

DGC Settings

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
CAN Bus	J1939 Address	GG	4000	UInt32	4	R W	n/a	1 - 253
CAN Bus	Baud Rate	GG	4002	UInt32	4	R W	n/a	125 kbps=0 250 kbps=1
Reserved			4004-5					
LCD Settings	LCD Backlight Timeout	GG	4006	UInt8	1	R W	Minute	1 - 120
LCD Settings	LCD Contrast	GG	4007	UInt8	1	R W	Percent	0 - 100
LCD Settings	LCD Sleep Mode	GG	4008	UInt8	1	R W	n/a	Disabled=0 Enabled=1
Real Time Clock Alert	RTC Alert Enable	GG	4009	UInt32	4	R W	n/a	No=0 Yes=1
Buzzer	Buzzer Enabled	GG	4011	UInt8	1	R W	n/a	Disabled=0 Enabled=1
Buzzer	Not In Auto Buzzer Enabled	GG	4012	UInt8	1	R W	n/a	Disabled=0 Enabled=1
AEM1	Enable	GG	4013	UInt32	4	R W	n/a	Disabled=0 Enabled=1
AEM2	Enable	GG	4015	UInt32	4	R W	n/a	Disabled=0 Enabled=1
AEM3	Enable	GG	4017	UInt32	4	R W	n/a	Disabled=0 Enabled=1
AEM4	Enable	GG	4019	UInt32	4	R W	n/a	Disabled=0 Enabled=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
CEM 1	Enable	GG	4021	Uint32	4	R W	n/a	Disabled=0 Enabled=1
CEM 1	CEM Output Configuration	GG	4023	Uint32	4	R W	n/a	18 Outputs=0 24 Outputs=1
CEM 2	Enable	GG	4025	Uint32	4	R W	n/a	Disabled=0 Enabled=1
CEM 2	CEM Output Configuration	GG	4027	Uint32	4	R W	n/a	18 Outputs=0 24 Outputs=1
CEM 3	Enable	GG	4029	Uint32	4	R W	n/a	Disabled=0 Enabled=1
CEM 3	CEM Output Configuration	GG	4031	Uint32	4	R W	n/a	18 Outputs=0 24 Outputs=1
CEM 4	Enable	GG	4033	Uint32	4	R W	n/a	Disabled=0 Enabled=1
CEM 4	CEM Output Configuration	GG	4035	Uint32	4	R W	n/a	18 Outputs=0 24 Outputs=1
Genset Controller	Restart Delay	GG	4037	Uint32	4	R W	Second	0 - 120
Genset Controller	Cool Down Time	GG	4039	Uint32	4	R W	Minute	0 - 60
Genset Controller	Prestart Contact Configuration	GG	4041	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Genset Controller	Prestart Rest Configuration	GG	4043	Uint32	4	R W	n/a	Off during crank=0 On during rest=1 Preheat before crank=2
Genset Controller	Cranking Style	GG	4045	Uint32	4	R W	n/a	Continuous=0 Cycle=1
Genset Controller	Number of Crank Cycles	GG	4047	Uint32	4	R W	n/a	1 - 7
Genset Controller	Cycle Crank Time	GG	4049	Uint32	4	R W	Second	5 - 15
Genset Controller	Continuous Crank Time	GG	4051	Uint32	4	R W	Second	5 - 60
Genset Controller	Crank Disconnect Limit	GG	4053	Uint32	4	R W	Second	10 - 100
Genset Controller	Pre Crank Delay	GG	4055	Uint32	4	R W	Second	0 - 30
Genset Controller	Oil Pressure Crank Disconnect	GG	4057	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Genset Controller	Crank Disconnect Pressure PSI	GG	4059	Float	4	R W	PSI	2.9 - 150
Genset Controller	Crank Disconnect Pressure kPa	GG	4061	Float	4	R W	kPa	20 - 1034.5
Genset Controller	Crank Disconnect Pressure bar	GG	4063	Float	4	R W	bar	2 - 10.3
Genset Controller	Power Up Delay	GG	4065	Uint32	4	R W	Second	0 - 60
Genset Controller	Off Mode Cool Down Enabled	GG	4067	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Genset Controller	Remaining Cooldown Time Minutes	GG	4069	Uint32	4	R	Minute	0 - 59
Genset Controller	Remaining Cooldown Time Seconds	GG	4071	Uint32	4	R	Second	0 - 59
Genset Controller	Pending NFPA Level	GG	4073	Uint32	4	R W	n/a	Zero=0 One=1 Two=2
Pre-Alarm Enable	Ethernet 1 Link Lost	GG	4075	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Pre-Alarm Enable	Ethernet 2 Link Lost	GG	4077	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Genset Controller	Gen Reverse Rotation Pre-Alarm Enable	GG	4079	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Genset Controller	Bus 1 Reverse Rotation Pre-Alarm Enable	GG	4081	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Genset Controller	Bus 2 Reverse Rotation Pre-Alarm Enable	GG	4083	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Genset Controller	AEM 1 Comm Fail Pre-Alarm Enable	GG	4085	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Genset Controller	AEM 2 Comm Fail Pre-Alarm Enable	GG	4087	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Genset Controller	AEM 3 Comm Fail Pre-Alarm Enable	GG	4089	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Genset Controller	AEM 4 Comm Fail Pre-Alarm Enable	GG	4091	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Genset Controller	CEM 1 Comm Fail Pre-Alarm Enable	GG	4093	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Genset Controller	CEM 2 Comm Fail Pre-Alarm Enable	GG	4095	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Genset Controller	CEM 3 Comm Fail Pre-Alarm Enable	GG	4097	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Genset Controller	CEM 4 Comm Fail Pre-Alarm Enable	GG	4099	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Coolant Temp Sender Fail	Alarm Configuration	GG	4101	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Coolant Temp Sender Fail	Coolant Activation Delay	GG	4103	Uint32	4	R W	Second	300 - 1800
Oil Pressure Sender Fail	Alarm Configuration	GG	4105	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Oil Pressure Sender Fail	Activation Delay	GG	4107	Uint32	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Fuel Level Sender Fail	Alarm Configuration	GG	4109	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Fuel Level Sender Fail	Activation Delay	GG	4111	Uint32	4	R W	Second	0 - 300
Voltage Sensing Sender Fail	Alarm Configuration	GG	4113	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Voltage Sensing Sender Fail	Activation Delay	GG	4115	Uint32	4	R W	Second	0 - 300
Single Ph Override	Single-Phase Sense	GG	4117	Uint32	4	R W	n/a	AB=0 AC=1
AVR Output	Out-of-Range Activation Delay	GG	4119	Float	4	R W	Second	0 - 300
AVR Output	Alarm Configuration	GG	4121	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
GOV Output	Out-of-Range Activation Delay	GG	4123	Float	4	R W	Second	0 - 300
GOV Output	Alarm Configuration	GG	4125	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
LS Output	Out of Range Activation Delay	GG	4127	Float	4	R W	Second	0 - 300
LS Output	Alarm Configuration	GG	4129	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2

Pulse Outputs

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AVR Pulse Output	Mode	GG	5000	Uint32	4	R W	n/a	Continuous=0 Proportional=1
AVR Pulse Output	Correction Pulse Width	GG	5002	Float	4	R W	Second	0 - 99.9
AVR Pulse Output	Correction Pulse Interval	GG	5004	Float	4	R W	Second	0 - 99.9
GOV Pulse Output	Mode	GG	5006	Uint32	4	R W	n/a	Continuous=0 Proportional=1
GOV Pulse Output	Correction Pulse Width	GG	5008	Float	4	R W	Second	0 - 99.9
GOV Pulse Output	Correction Pulse Interval	GG	5010	Float	4	R W	Second	0 - 99.9

Control Settings

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Virtual Switch	Virtual Switch 1 State	GG	5500	Uint32	4	R W	n/a	Open=0 Closed=1
Virtual Switch	Virtual Switch 2 State	GG	5502	Uint32	4	R W	n/a	Open=0 Closed=1
Virtual Switch	Virtual Switch 3 State	GG	5504	Uint32	4	R W	n/a	Open=0 Closed=1
Virtual Switch	Virtual Switch 4 State	GG	5506	Uint32	4	R W	n/a	Open=0 Closed=1
Virtual Switch	Virtual Switch 5 State	GG	5508	Uint32	4	R W	n/a	Open=0 Closed=1
Virtual Switch	Virtual Switch 6 State	GG	5510	Uint32	4	R W	n/a	Open=0 Closed=1
Coms Control Group	Emergency Stop: Writing a 1 will toggle emergency stop from off to on. Writing a 1 again will toggle emergency stop from on to off. When read, Off state =0 and On state =1.	GG	5512	Uint32	4	R W	n/a	Toggle On/Off=1
Coms Control Group	Remote Start	GG	5514	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Remote Stop	GG	5516	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Run Mode	GG	5518	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Off Mode	GG	5520	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Auto Mode	GG	5522	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Gen Breaker Open Request	GG	5524	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Gen Breaker Close Request	GG	5526	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Mains Breaker Open Request	GG	5528	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Mains Breaker Close Request	GG	5530	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Emergency Stop	GG	5532	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Run Request	GG	5534	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Coms Alarm Reset	GG	5536	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Reset Generator Maximum ROCOF	GG	5538	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Reset Bus 1 Maximum ROCOF	GG	5540	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Reset Bus 2 Maximum ROCOF	GG	5542	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Reset Generator Maximum Vector Shift	GG	5544	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Reset Bus 1 Maximum Vector Shift	GG	5546	Uint32	4	R W	n/a	Trigger=1
Coms Control Group	Reset Bus 2 Maximum Vector Shift	GG	5548	Uint32	4	R W	n/a	Trigger=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Coms Control Group	Bus 1 Protection Reset	GG	5550	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Coms Control Group	Bus 2 Protection Reset	GG	5552	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Coms Control Group	Bus 1 Bus 2 Protection Reset	GG	5554	Uint32	4	R W	n/a	Disabled=0 Enabled=1
High Current Contacts	Fuel Solenoid Logic Control	GG	5556	Uint32	4	R W	n/a	Predefined=0 Programmable=1
High Current Contacts	Engine Start Delay Logic Control	GG	5558	Uint32	4	R W	n/a	Predefined=0 Programmable=1
High Current Contacts	Master Start Output Logic Control	GG	5560	Uint32	4	R W	n/a	Predefined=0 Programmable=1

Global Settings

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
PLC Timed Element Settings	Timer 1 Timeout Hours	GG	6000	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 1 Timeout Minutes	GG	6002	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 1 Timeout Seconds	GG	6004	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Timer 2 Timeout Hours	GG	6006	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 2 Timeout Minutes	GG	6008	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 2 Timeout Seconds	GG	6010	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Timer 3 Timeout Hours	GG	6012	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 3 Timeout Minutes	GG	6014	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 3 Timeout Seconds	GG	6016	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Timer 4 Timeout Hours	GG	6018	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 4 Timeout Minutes	GG	6020	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 4 Timeout Seconds	GG	6022	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Timer 5 Timeout Hours	GG	6024	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 5 Timeout Minutes	GG	6026	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 5 Timeout Seconds	GG	6028	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Timer 6 Timeout Hours	GG	6030	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 6 Timeout Minutes	GG	6032	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 6 Timeout Seconds	GG	6034	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Timer 7 Timeout Hours	GG	6036	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 7 Timeout Minutes	GG	6038	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 7 Timeout Seconds	GG	6040	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Timer 8 Timeout Hours	GG	6042	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 8 Timeout Minutes	GG	6044	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 8 Timeout Seconds	GG	6046	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Timer 9 Timeout Hours	GG	6048	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 9 Timeout Minutes	GG	6050	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 9 Timeout Seconds	GG	6052	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Timer 10 Timeout Hours	GG	6054	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 10 Timeout Minutes	GG	6056	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 10 Timeout Seconds	GG	6058	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Timer 11 Timeout Hours	GG	6060	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 11 Timeout Minutes	GG	6062	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 11 Timeout Seconds	GG	6064	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Timer 12 Timeout Hours	GG	6066	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 12 Timeout Minutes	GG	6068	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 12 Timeout Seconds	GG	6070	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Timer 13 Timeout Hours	GG	6072	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 13 Timeout Minutes	GG	6074	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 13 Timeout Seconds	GG	6076	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Timer 14 Timeout Hours	GG	6078	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 14 Timeout Minutes	GG	6080	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 14 Timeout Seconds	GG	6082	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Timer 15 Timeout Hours	GG	6084	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 15 Timeout Minutes	GG	6086	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 15 Timeout Seconds	GG	6088	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Timer 16 Timeout Hours	GG	6090	Uint32	4	R W	Hour	0 - 250
PLC Timed Element Settings	Timer 16 Timeout Minutes	GG	6092	Uint32	4	R W	Minute	0 - 59
PLC Timed Element Settings	Timer 16 Timeout Seconds	GG	6094	Uint32	4	R W	Second	0 - 59
PLC Timed Element Settings	Counter 1 Timeout	GG	6096	Float	4	R W	n/a	0 - 1800
PLC Timed Element Settings	Counter 2 Timeout	GG	6098	Float	4	R W	n/a	0 - 1800
PLC Timed Element Settings	Counter 3 Timeout	GG	6100	Float	4	R W	n/a	0 - 1800
PLC Timed Element Settings	Counter 4 Timeout	GG	6102	Float	4	R W	n/a	0 - 1800
PLC Timed Element Settings	Counter 5 Timeout	GG	6104	Float	4	R W	n/a	0 - 1800
PLC Timed Element Settings	Counter 6 Timeout	GG	6106	Float	4	R W	n/a	0 - 1800
PLC Timed Element Settings	Counter 7 Timeout	GG	6108	Float	4	R W	n/a	0 - 1800
PLC Timed Element Settings	Counter 8 Timeout	GG	6110	Float	4	R W	n/a	0 - 1800
Unit ID Table	ID Missing Pre Alarm Enable	GG	6112	Uint32	4	R W	n/a	Disabled=0 Enabled=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Unit ID Table	ID Repeat Pre Alarm Enable	GG	6114	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Remote Display Panel	Enable Programmable Alarm 1	GG	6116	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Remote Display Panel	Enable Programmable Alarm 2	GG	6118	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Remote Display Panel	Enable Programmable Pre-Alarm 1	GG	6120	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Remote Display Panel	Enable Programmable Pre-Alarm 2	GG	6122	Uint32	4	R W	n/a	Disabled=0 Enabled=1

Configuration

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
System Configuration	Nominal Frequency	GG	6500	Uint32	4	R W	n/a	50 Hz=50 60 Hz=60
System Configuration	Metric English	GG	6502	Uint32	4	R W	n/a	English=0 Metric=1
System Configuration	Metric Units	GG	6504	Uint32	4	R W	n/a	bar=0 kPa/MPA=1
System Configuration	Alternate Frequency	GG	6506	Float	4	R W	Hertz	10 - 90
System Configuration	Aux CT 1	GG	6508	Uint32	4	R W	n/a	CT Not Connected=7 Bus 1 Phase A=0 Bus 1 Phase B=1 Bus 1 Phase C=2 Bus 2 Phase A=3 Bus 2 Phase B=4 Bus 2 Phase C=5 Ground Current=6
System Configuration	Aux CT 2	GG	6510	Uint32	4	R W	n/a	CT Not Connected=7 Bus 1 Phase A=0 Bus 1 Phase B=1 Bus 1 Phase C=2 Bus 2 Phase A=3 Bus 2 Phase B=4 Bus 2 Phase C=5 Ground Current=6
System Configuration	Aux CT 3	GG	6512	Uint32	4	R W	n/a	CT Not Connected=7 Bus 1 Phase A=0 Bus 1 Phase B=1 Bus 1 Phase C=2 Bus 2 Phase A=3 Bus 2 Phase B=4 Bus 2 Phase C=5 Ground Current=6
System Configuration	Aux CT 4	GG	6514	Uint32	4	R W	n/a	CT Not Connected=7 Bus 1 Phase A=0 Bus 1 Phase B=1 Bus 1 Phase C=2 Bus 2 Phase A=3 Bus 2 Phase B=4 Bus 2 Phase C=5 Ground Current=6
System Configuration	Engine Rated RPM	GG	6516	Uint32	4	R W	n/a	750 - 3600
System Configuration	RPM Adjustment Bandwidth	GG	6518	Uint32	4	R W	n/a	0 - 1000
System Configuration	24V Battery	GG	6520	Uint32	4	R W	n/a	12V=0 24V=1
System Configuration	Gen CT Low-Line Scale Factor	GG	6522	Float	4	R W	n/a	0.001 - 3
System Configuration	Redundant Ethernet	GG	6524	Uint32	4	R W	n/a	No=0 Yes=1
Gen Volt Configuration	Connection	GG	6526	Int32	4	R W	n/a	Delta=7 Wye=8 1 Phase AB=0 1 Phase AC=2 Grounded Delta=9
Gen Volt Configuration	Ratio Primary	GG	6528	Float	4	R W	n/a	1 - 500000
Gen Volt Configuration	Ratio Secondary	GG	6530	Float	4	R W	n/a	1 - 600
Gen Volt Configuration	Rated Primary LL	GG	6532	Float	4	R W	Volt	1 - 500000
Bus 1 Volt Config	Connection	GG	6534	Int32	4	R W	n/a	Delta=7 Wye=8 1 Phase AB=0 1 Phase AC=2 Grounded Delta=9
Bus 1 Volt Config	Ratio Primary	GG	6536	Float	4	R W	n/a	1 - 500000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Bus 1 Volt Config	Ratio Secondary	GG	6538	Float	4	R W	n/a	1 - 600
Bus 1 Volt Config	Rated Primary LL	GG	6540	Float	4	R W	Volt	1 - 500000
Bus 2 Volt Config	Connection	GG	6542	Int32	4	R W	n/a	Delta=7 Wye=8 1 Phase AB=0 1 Phase AC=2 Grounded Delta=9
Bus 2 Volt Config	Ratio Primary	GG	6544	Float	4	R W	n/a	1 - 500000
Bus 2 Volt Config	Ratio Secondary	GG	6546	Float	4	R W	n/a	1 - 600
Bus 2 Volt Config	Rated Primary LL	GG	6548	Float	4	R W	Volt	1 - 500000
Gen Current Configuration	Connection	GG	6550	Int32	4	R W	n/a	CT A=0 CT B=1 CT C=2 CT AB=3 CT BC=4 CT CA=5 CT ABC=6
Gen Current Configuration	Ratio Primary	GG	6552	Float	4	R W	n/a	1 - 9999
Gen Current Configuration	Ratio Secondary	GG	6554	Int32	4	R W	n/a	1=1 5=5
Gen Current Configuration	Rated Primary	GG	6556	Float	4	R	Amp	0 - 180000
Bus 1 Current Config	Connection	GG	6558	Int32	4	R W	n/a	CT A=0 CT B=1 CT C=2 CT AB=3 CT BC=4 CT CA=5 CT ABC=6
Bus 1 Current Config	Ratio Primary	GG	6560	Float	4	R W	n/a	1 - 9999
Bus 1 Current Config	Ratio Secondary	GG	6562	Int32	4	R W	n/a	1=1 5=5
Bus 1 Current Config	Rated Primary	GG	6564	Float	4	R	Amp	0 - 180000
Bus 2 Current Config	Connection	GG	6566	Int32	4	R W	n/a	CT A=0 CT B=1 CT C=2 CT AB=3 CT BC=4 CT CA=5 CT ABC=6
Bus 2 Current Config	Ratio Primary	GG	6568	Float	4	R W	n/a	1 - 9999
Bus 2 Current Config	Ratio Secondary	GG	6570	Int32	4	R W	n/a	1=1 5=5
Bus 2 Current Config	Rated Primary	GG	6572	Float	4	R	Amp	0 - 180000
Gen Config	Rated PF	GG	6574	Float	4	R W	Power Factor	-2 - 2
Gen Config	Rated kW	GG	6576	Float	4	R W	kilowatt	0 - 1000000
Gen Config	Rotation	GG	6578	Int32	4	R W	n/a	ABC=0 ACB=1
Bus 1 Config	Rated PF	GG	6580-81	Float	4	R W	Power Factor	-2 - 2
Bus 1 Config	Rated kW	GG	6582	Float	4	R W	kilowatt	0 - 1000000
Reserved			6584					
Bus 2 Config	Rated PF	GG	6586-87	Float	4	R W	Power Factor	-2 - 2
Bus 2 Config	Rated kW	GG	6588	Float	4	R W	kilowatt	0 - 1000000
Reserved			6590					
RS232 Settings	Baud Rate	GG	6592	UInt32	4	R W	n/a	1200 Baud=1200 2400 Baud=2400 4800 Baud=4800 9600 Baud=9600 19200 Baud=19200 38400 Baud=38400 57600 Baud=57600 115200 Baud=115200
RS232 Settings	Parity	GG	6594	UInt32	4	R W	n/a	Even Parity=0 Odd Parity=1 No Parity=2
RS232 Settings	Bits Per Character	GG	6596	UInt32	4	R W	n/a	8-Bits=8 7-Bits=7
RS232 Settings	Stop Bits	GG	6598	UInt32	4	R W	n/a	1 Stop Bit=1 2 Stop Bits=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
RS485 Settings	Baud Rate	GG	6600	Uint32	4	R W	n/a	1200 Baud=1200 2400 Baud=2400 4800 Baud=4800 9600 Baud=9600 19200 Baud=19200 38400 Baud=38400 57600 Baud=57600 115200 Baud=115200
RS485 Settings	Parity	GG	6602	Uint32	4	R W	n/a	Even Parity=0 Odd Parity=1 No Parity=2
RS485 Settings	Bits Per Character	GG	6604	Uint32	4	R W	n/a	8-Bits=8 7-Bits=7
RS485 Settings	Stop Bits	GG	6606	Uint32	4	R W	n/a	1 Stop Bit=1 2 Stop Bits=2
Ethernet 0 Settings	Subnet Mask	GG	6608	IP Address	4	R W	n/a	n/a
Ethernet 0 Settings	Gateway Address	GG	6610	IP Address	4	R W	n/a	n/a
Ethernet 0 Settings	Use DHCP	GG	6612	Uint32	4	R W	n/a	Off=0 On=1
Ethernet 0 Settings	Active IP	GG	6614	IP Address	4	R	n/a	n/a
Ethernet 0 Settings	Active Gateway	GG	6616	IP Address	4	R	n/a	n/a
Ethernet 0 Settings	Active Subnet	GG	6618	IP Address	4	R	n/a	n/a
Ethernet 1 Settings	Subnet Mask	GG	6620	IP Address	4	R W	n/a	n/a
Ethernet 1 Settings	Gateway Address	GG	6622	IP Address	4	R W	n/a	n/a
Ethernet 1 Settings	Use DHCP	GG	6624	Uint32	4	R W	n/a	Off=0 On=1
Ethernet 1 Settings	Active IP	GG	6626	IP Address	4	R	n/a	n/a
Ethernet 1 Settings	Active Gateway	GG	6628	IP Address	4	R	n/a	n/a
Ethernet 1 Settings	Active Subnet	GG	6630	IP Address	4	R	n/a	n/a
Modbus	Modbus Ethernet Unit ID	GG	6632	Uint16	2	R W	n/a	1 - 247
Modbus	Modbus Serial Unit ID	GG	6633	Uint16	2	R W	n/a	1 - 247
Reserved			6634-39					
Engine Source	Speed Mode	GG	6640	Uint32	4	R W	n/a	Magnetic Pickup=1 Gen Freq=2 MPU/Gen Freq=3
Engine Source	Flywheel Teeth	GG	6642	Uint32	4	R W	n/a	1 - 500
Engine Source	Speed Sender Fail Time Delay	GG	6644	Uint32	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Engine Source	Fuel Level Source	GG	6646	Uint32	4	R W	n/a	Resistive Sender=0 AEM 1 Analog Input 1=1 AEM 1 Analog Input 2=2 AEM 1 Analog Input 3=3 AEM 1 Analog Input 4=4 AEM 1 Analog Input 5=5 AEM 1 Analog Input 6=6 AEM 1 Analog Input 7=7 AEM 1 Analog Input 8=8 AEM 2 Analog Input 1=9 AEM 2 Analog Input 2=10 AEM 2 Analog Input 3=11 AEM 2 Analog Input 4=12 AEM 2 Analog Input 5=13 AEM 2 Analog Input 6=14 AEM 2 Analog Input 7=15 AEM 2 Analog Input 8=16 AEM 3 Analog Input 1=17 AEM 3 Analog Input 2=18 AEM 3 Analog Input 3=19 AEM 3 Analog Input 4=20 AEM 3 Analog Input 5=21 AEM 3 Analog Input 6=22 AEM 3 Analog Input 7=23 AEM 3 Analog Input 8=24 AEM 4 Analog Input 1=25 AEM 4 Analog Input 2=26 AEM 4 Analog Input 3=27 AEM 4 Analog Input 4=28 AEM 4 Analog Input 5=29 AEM 4 Analog Input 6=30 AEM 4 Analog Input 7=31 AEM 4 Analog Input 8=32 Analog Input 1=33 Analog Input 2=34 Analog Input 3=35 Analog Input 4=36
Engine Source	Fuel Level Function	GG	6648	Uint32	4	R W	n/a	Disable=0 Fuel Level=1 Natural Gas=2 Liquid Propane=3
Engine Source	Coolant Temp Source	GG	6650	Uint32	4	R W	n/a	Resistive Sender=0 AEM 1 Analog Input 1=1 AEM 1 Analog Input 2=2 AEM 1 Analog Input 3=3 AEM 1 Analog Input 4=4 AEM 1 Analog Input 5=5 AEM 1 Analog Input 6=6 AEM 1 Analog Input 7=7 AEM 1 Analog Input 8=8 AEM 2 Analog Input 1=9 AEM 2 Analog Input 2=10 AEM 2 Analog Input 3=11 AEM 2 Analog Input 4=12 AEM 2 Analog Input 5=13 AEM 2 Analog Input 6=14 AEM 2 Analog Input 7=15 AEM 2 Analog Input 8=16 AEM 3 Analog Input 1=17 AEM 3 Analog Input 2=18 AEM 3 Analog Input 3=19 AEM 3 Analog Input 4=20 AEM 3 Analog Input 5=21 AEM 3 Analog Input 6=22 AEM 3 Analog Input 7=23 AEM 3 Analog Input 8=24 AEM 4 Analog Input 1=25 AEM 4 Analog Input 2=26 AEM 4 Analog Input 3=27 AEM 4 Analog Input 4=28 AEM 4 Analog Input 5=29 AEM 4 Analog Input 6=30 AEM 4 Analog Input 7=31 AEM 4 Analog Input 8=32 Analog Input 1=33 Analog Input 2=34 Analog Input 3=35 Analog Input 4=36

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Engine Source	Oil Pressure Source	GG	6652	Uint32	4	R W	n/a	Resistive Sender=0 AEM 1 Analog Input 1=1 AEM 1 Analog Input 2=2 AEM 1 Analog Input 3=3 AEM 1 Analog Input 4=4 AEM 1 Analog Input 5=5 AEM 1 Analog Input 6=6 AEM 1 Analog Input 7=7 AEM 1 Analog Input 8=8 AEM 2 Analog Input 1=9 AEM 2 Analog Input 2=10 AEM 2 Analog Input 3=11 AEM 2 Analog Input 4=12 AEM 2 Analog Input 5=13 AEM 2 Analog Input 6=14 AEM 2 Analog Input 7=15 AEM 2 Analog Input 8=16 AEM 3 Analog Input 1=17 AEM 3 Analog Input 2=18 AEM 3 Analog Input 3=19 AEM 3 Analog Input 4=20 AEM 3 Analog Input 5=21 AEM 3 Analog Input 6=22 AEM 3 Analog Input 7=23 AEM 3 Analog Input 8=24 AEM 4 Analog Input 1=25 AEM 4 Analog Input 2=26 AEM 4 Analog Input 3=27 AEM 4 Analog Input 4=28 AEM 4 Analog Input 5=29 AEM 4 Analog Input 6=30 AEM 4 Analog Input 7=31 AEM 4 Analog Input 8=32 Analog Input 1=33 Analog Input 2=34 Analog Input 3=35 Analog Input 4=36
Gen Exerciser	Start Day of Month	GG	6654	Uint32	4	R W	n/a	1 - 31
Gen Exerciser	Start Day of Week	GG	6656	Uint32	4	R W	n/a	Sunday=0 Monday=1 Tuesday=2 Wednesday=3 Thursday=4 Friday=5 Saturday=6
Gen Exerciser	Start Hour	GG	6658	Uint32	4	R W	n/a	0 - 23
Gen Exerciser	Start Minute	GG	6660	Uint32	4	R W	n/a	0 - 59
Gen Exerciser	Period Hours	GG	6662	Uint32	4	R W	n/a	0 - 23
Gen Exerciser	Period Minutes	GG	6664	Uint32	4	R W	n/a	0 - 59
Gen Exerciser	Run with Load	GG	6666	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Gen Exerciser	Exerciser Mode	GG	6668	Uint32	4	R W	n/a	Disabled=0 Daily=1 Weekly=2 Monthly=3
Run Statistics	Commission Date Day	GG	6670	Uint32	4	R W	n/a	1 - 31
Run Statistics	Commission Date Month	GG	6672	Uint32	4	R W	n/a	1 - 12
Run Statistics	Commission Date Year	GG	6674	Uint32	4	R W	n/a	2000 - 2099
Run Statistics	Maintenance Interval Enable	GG	6676	Uint32	4	R W	n/a	Disabled=0 Enabled=1
Run Statistics	Maintenance Interval	GG	6678	Uint32	4	R W	Hour	0 - 5000
Run Statistics	Hours Until Maintenance	GG	6680	Int32	4	R W	Hour	0 - 5000
Run Statistics	Cumulative Starts	GG	6682	Uint32	4	R W	n/a	0 - 32767
Run Statistics	Session Number Starts	GG	6684	Uint32	4	R	n/a	n/a
Run Statistics	Session Total kWh	GG	6686	Uint32	4	R	kWh	0 - 999999999
Run Statistics	Session Peak kW	GG	6688	Float	4	R	Watt	0 - 3.00E+14
Run Statistics	Cumulative Total Run Hours For Display	GG	6690	Uint32	4	R	n/a	0 - 999999
Run Statistics	Cumulative Total Run Minutes For Display	GG	6692	Uint32	4	R	n/a	0 - 59
Run Statistics	Cumulative Loaded Run Hours For Display	GG	6694	Uint32	4	R	n/a	0 - 999999
Run Statistics	Cumulative Loaded Run Minutes For Display	GG	6696	Uint32	4	R	n/a	0 - 59
Run Statistics	Cumulative Unloaded Run Hours For Display	GG	6698	Uint32	4	R	n/a	0 - 999999
Run Statistics	Cumulative Unloaded Run Minutes For Display	GG	6700	Uint32	4	R	n/a	0 - 59
Run Statistics	Session Total Run Hours For Display	GG	6702	Uint32	4	R	n/a	0 - 999999
Run Statistics	Session Total Run Minutes For Display	GG	6704	Uint32	4	R	n/a	0 - 59

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Run Statistics	Session Loaded Run Hours For Display	GG	6706	Uint32	4	R	n/a	0 - 999999
Run Statistics	Session Loaded Run Minutes For Display	GG	6708	Uint32	4	R	n/a	0 - 59
Run Statistics	Session Unloaded Run Hours For Display	GG	6710	Uint32	4	R	n/a	0 - 999999
Run Statistics	Session Unloaded Run Minutes For Display	GG	6712	Uint32	4	R	n/a	0 - 59

Remote Module Settings

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 1 Input Config. 1	Param Min	GG	7000	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 1	Param Max	GG	7002	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 1	Current Min	GG	7004	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 1	Current Max	GG	7006	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 1	Voltage Min	GG	7008	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 1	Voltage Max	GG	7010	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 1	Alarm Configuration	GG	7012	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Input Config. 2	Param Min	GG	7014	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 2	Param Max	GG	7016	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 2	Current Min	GG	7018	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 2	Current Max	GG	7020	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 2	Voltage Min	GG	7022	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 2	Voltage Max	GG	7024	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 2	Alarm Configuration	GG	7026	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Input Config. 3	Param Min	GG	7028	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 3	Param Max	GG	7030	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 3	Current Min	GG	7032	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 3	Current Max	GG	7034	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 3	Voltage Min	GG	7036	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 3	Voltage Max	GG	7038	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 3	Alarm Configuration	GG	7040	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Input Config. 4	Param Min	GG	7042	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 4	Param Max	GG	7044	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 4	Current Min	GG	7046	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 4	Current Max	GG	7048	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 4	Voltage Min	GG	7050	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 4	Voltage Max	GG	7052	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 4	Alarm Configuration	GG	7054	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Input Config. 5	Param Min	GG	7056	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 5	Param Max	GG	7058	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 5	Current Min	GG	7060	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 5	Current Max	GG	7062	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 5	Voltage Min	GG	7064	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 5	Voltage Max	GG	7066	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 5	Alarm Configuration	GG	7068	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Input Config. 6	Param Min	GG	7070	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 6	Param Max	GG	7072	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 6	Current Min	GG	7074	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 6	Current Max	GG	7076	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 6	Voltage Min	GG	7078	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 6	Voltage Max	GG	7080	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 6	Alarm Configuration	GG	7082	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Input Config. 7	Param Min	GG	7084	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 7	Param Max	GG	7086	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 7	Current Min	GG	7088	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 7	Current Max	GG	7090	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 7	Voltage Min	GG	7092	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 7	Voltage Max	GG	7094	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 7	Alarm Configuration	GG	7096	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 1 Input Config. 8	Param Min	GG	7098	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 8	Param Max	GG	7100	Float	4	R W	n/a	-999999 - 999999
AEM 1 Input Config. 8	Current Min	GG	7102	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 8	Current Max	GG	7104	Float	4	R W	Milliamp	4 - 20
AEM 1 Input Config. 8	Voltage Min	GG	7106	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 8	Voltage Max	GG	7108	Float	4	R W	Volt	0 - 10
AEM 1 Input Config. 8	Alarm Configuration	GG	7110	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 1	Hysteresis	GG	7112	Float	4	R W	Percent	0 - 100
AEM 1 Protection 1	Arming Delay	GG	7114	Float	4	R W	Second	0 - 300
AEM 1 Protection 1	Threshold 1 Pickup	GG	7116	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 1	Threshold 1 Activation Delay	GG	7118	Float	4	R W	Second	0 - 300
AEM 1 Protection 1	Threshold 1 Alarm Configuration	GG	7120	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 1	Threshold 2 Pickup	GG	7122	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 1	Threshold 2 Activation Delay	GG	7124	Float	4	R W	Second	0 - 300
AEM 1 Protection 1	Threshold 2 Alarm Configuration	GG	7126	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 1	Threshold 3P Pickup	GG	7128	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 1	Threshold 3 Activation Delay	GG	7130	Float	4	R W	Second	0 - 300
AEM 1 Protection 1	Threshold 3 Alarm Configuration	GG	7132	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 1	Threshold 4 Pickup	GG	7134	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 1	Threshold 4 Activation Delay	GG	7136	Float	4	R W	Second	0 - 300
AEM 1 Protection 1	Threshold 4 Alarm Configuration	GG	7138	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 2	Hysteresis	GG	7140	Float	4	R W	Percent	0 - 100
AEM 1 Protection 2	Arming Delay	GG	7142	Float	4	R W	Second	0 - 300
AEM 1 Protection 2	Threshold 1 Pickup	GG	7144	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 2	Threshold 1 Activation Delay	GG	7146	Float	4	R W	Second	0 - 300
AEM 1 Protection 2	Threshold 1 Alarm Configuration	GG	7148	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 2	Threshold 2 Pickup	GG	7150	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 2	Threshold 2 Activation Delay	GG	7152	Float	4	R W	Second	0 - 300
AEM 1 Protection 2	Threshold 2 Alarm Configuration	GG	7154	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 2	Threshold 3 Pickup	GG	7156	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 2	Threshold 3 Activation Delay	GG	7158	Float	4	R W	Second	0 - 300
AEM 1 Protection 2	Threshold 3 Alarm Configuration	GG	7160	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 2	Threshold 4 Pickup	GG	7162	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 2	Threshold 4 Activation Delay	GG	7164	Float	4	R W	Second	0 - 300
AEM 1 Protection 2	Threshold 4 Alarm Configuration	GG	7166	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 3	Hysteresis	GG	7168	Float	4	R W	Percent	0 - 100
AEM 1 Protection 3	Arming Delay	GG	7170	Float	4	R W	Second	0 - 300
AEM 1 Protection 3	Threshold 1 Pickup	GG	7172	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 3	Threshold 1 Activation Delay	GG	7174	Float	4	R W	Second	0 - 300
AEM 1 Protection 3	Threshold 1 Alarm Configuration	GG	7176	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 3	Threshold 2 Pickup	GG	7178	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 3	Threshold 2 Activation Delay	GG	7180	Float	4	R W	Second	0 - 300
AEM 1 Protection 3	Threshold 2 Alarm Configuration	GG	7182	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 3	Threshold 3 Pickup	GG	7184	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 3	Threshold 3 Activation Delay	GG	7186	Float	4	R W	Second	0 - 300
AEM 1 Protection 3	Threshold 3 Alarm Configuration	GG	7188	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 3	Threshold 4 Pickup	GG	7190	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 3	Threshold 4 Activation Delay	GG	7192	Float	4	R W	Second	0 - 300
AEM 1 Protection 3	Threshold 4 Alarm Configuration	GG	7194	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 4	Hysteresis	GG	7196	Float	4	R W	Percent	0 - 100
AEM 1 Protection 4	Arming Delay	GG	7198	Float	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 1 Protection 4	Threshold 1 Pickup	GG	7200	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 4	Threshold 1 Activation Delay	GG	7202	Float	4	R W	Second	0 - 300
AEM 1 Protection 4	Threshold 1 Alarm Configuration	GG	7204	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 4	Threshold 2 Pickup	GG	7206	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 4	Threshold 2 Activation Delay	GG	7208	Float	4	R W	Second	0 - 300
AEM 1 Protection 4	Threshold 2 Alarm Configuration	GG	7210	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 4	Threshold 3 Pickup	GG	7212	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 4	Threshold 3 Activation Delay	GG	7214	Float	4	R W	Second	0 - 300
AEM 1 Protection 4	Threshold 3 Alarm Configuration	GG	7216	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 4	Threshold 4 Pickup	GG	7218	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 4	Threshold 4 Activation Delay	GG	7220	Float	4	R W	Second	0 - 300
AEM 1 Protection 4	Threshold 4 Alarm Configuration	GG	7222	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 5	Hysteresis	GG	7224	Float	4	R W	Percent	0 - 100
AEM 1 Protection 5	Arming Delay	GG	7226	Float	4	R W	Second	0 - 300
AEM 1 Protection 5	Threshold 1 Pickup	GG	7228	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 5	Threshold 1 Activation Delay	GG	7230	Float	4	R W	Second	0 - 300
AEM 1 Protection 5	Threshold 1 Alarm Configuration	GG	7232	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 5	Threshold 2 Pickup	GG	7234	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 5	Threshold 2 Activation Delay	GG	7236	Float	4	R W	Second	0 - 300
AEM 1 Protection 5	Threshold 2 Alarm Configuration	GG	7238	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 5	Threshold 3P ickup	GG	7240	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 5	Threshold 3 Activation Delay	GG	7242	Float	4	R W	Second	0 - 300
AEM 1 Protection 5	Threshold 3 Alarm Configuration	GG	7244	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 5	Threshold 4 Pickup	GG	7246	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 5	Threshold 4 Activation Delay	GG	7248	Float	4	R W	Second	0 - 300
AEM 1 Protection 5	Threshold 4 Alarm Configuration	GG	7250	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 6	Hysteresis	GG	7252	Float	4	R W	Percent	0 - 100
AEM 1 Protection 6	Arming Delay	GG	7254	Float	4	R W	Second	0 - 300
AEM 1 Protection 6	Threshold 1 Pickup	GG	7256	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 6	Threshold 1 Activation Delay	GG	7258	Float	4	R W	Second	0 - 300
AEM 1 Protection 6	Threshold 1 Alarm Configuration	GG	7260	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 6	Threshold 2 Pickup	GG	7262	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 6	Threshold 2 Activation Delay	GG	7264	Float	4	R W	Second	0 - 300
AEM 1 Protection 6	Threshold 2 Alarm Configuration	GG	7266	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 6	Threshold 3P ickup	GG	7268	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 6	Threshold 3 Activation Delay	GG	7270	Float	4	R W	Second	0 - 300
AEM 1 Protection 6	Threshold 3 Alarm Configuration	GG	7272	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 6	Threshold 4 Pickup	GG	7274	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 6	Threshold 4 Activation Delay	GG	7276	Float	4	R W	Second	0 - 300
AEM 1 Protection 6	Threshold 4 Alarm Configuration	GG	7278	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 7	Hysteresis	GG	7280	Float	4	R W	Percent	0 - 100
AEM 1 Protection 7	Arming Delay	GG	7282	Float	4	R W	Second	0 - 300
AEM 1 Protection 7	Threshold 1 Pickup	GG	7284	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 7	Threshold 1 Activation Delay	GG	7286	Float	4	R W	Second	0 - 300
AEM 1 Protection 7	Threshold 1 Alarm Configuration	GG	7288	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 7	Threshold 2 Pickup	GG	7290	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 7	Threshold 2 Activation Delay	GG	7292	Float	4	R W	Second	0 - 300
AEM 1 Protection 7	Threshold 2 Alarm Configuration	GG	7294	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 7	Threshold 3P ickup	GG	7296	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 7	Threshold 3 Activation Delay	GG	7298	Float	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 1 Protection 7	Threshold 3 Alarm Configuration	GG	7300	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 7	Threshold 4 Pickup	GG	7302	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 7	Threshold 4 Activation Delay	GG	7304	Float	4	R W	Second	0 - 300
AEM 1 Protection 7	Threshold 4 Alarm Configuration	GG	7306	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 8	Hysteresis	GG	7308	Float	4	R W	Percent	0 - 100
AEM 1 Protection 8	Arming Delay	GG	7310	Float	4	R W	Second	0 - 300
AEM 1 Protection 8	Threshold 1 Pickup	GG	7312	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 8	Threshold 1 Activation Delay	GG	7314	Float	4	R W	Second	0 - 300
AEM 1 Protection 8	Threshold 1 Alarm Configuration	GG	7316	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 8	Threshold 2 Pickup	GG	7318	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 8	Threshold 2 Activation Delay	GG	7320	Float	4	R W	Second	0 - 300
AEM 1 Protection 8	Threshold 2 Alarm Configuration	GG	7322	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 8	Threshold 3P ickup	GG	7324	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 8	Threshold 3 Activation Delay	GG	7326	Float	4	R W	Second	0 - 300
AEM 1 Protection 8	Threshold 3 Alarm Configuration	GG	7328	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Protection 8	Threshold 4 Pickup	GG	7330	Float	4	R W	n/a	-999999 - 999999
AEM 1 Protection 8	Threshold 4 Activation Delay	GG	7332	Float	4	R W	Second	0 - 300
AEM 1 Protection 8	Threshold 4 Alarm Configuration	GG	7334	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Remote Analog Output 1	Parameter Selection	GG	7336	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
AEM 1 Remote Analog Output 1	Out-of-Range Activation Delay	GG	7338	Float	4	R W	Second	0 - 300
AEM 1 Remote Analog Output 1	Param Minimum	GG	7340	Float	4	R W	n/a	-999999 - 999999
AEM 1 Remote Analog Output 1	Param Maximum	GG	7342	Float	4	R W	n/a	-999999 - 999999
AEM 1 Remote Analog Output 1	Current Minimum	GG	7344	Float	4	R W	Milliamp	4 - 20
AEM 1 Remote Analog Output 1	Current Maximum	GG	7346	Float	4	R W	Milliamp	4 - 20
AEM 1 Remote Analog Output 1	Voltage Minimum	GG	7348	Float	4	R W	Volt	0 - 10
AEM 1 Remote Analog Output 1	Voltage Maximum	GG	7350	Float	4	R W	Volt	0 - 10
AEM 1 Remote Analog Output 1	Alarm Configuration	GG	7352	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Remote Analog Output 2	Parameter Selection	GG	7354	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
AEM 1 Remote Analog Output 2	Out-of-Range Activation Delay	GG	7356	Float	4	R W	Second	0 - 300
AEM 1 Remote Analog Output 2	Param Minimum	GG	7358	Float	4	R W	n/a	-999999 - 999999
AEM 1 Remote Analog Output 2	Param Maximum	GG	7360	Float	4	R W	n/a	-999999 - 999999
AEM 1 Remote Analog Output 2	Current Minimum	GG	7362	Float	4	R W	Milliamp	4 - 20
AEM 1 Remote Analog Output 2	Current Maximum	GG	7364	Float	4	R W	Milliamp	4 - 20
AEM 1 Remote Analog Output 2	Voltage Minimum	GG	7366	Float	4	R W	Volt	0 - 10
AEM 1 Remote Analog Output 2	Voltage Maximum	GG	7368	Float	4	R W	Volt	0 - 10
AEM 1 Remote Analog Output 2	Alarm Configuration	GG	7370	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Remote Analog Output 3	Parameter Selection	GG	7372	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
AEM 1 Remote Analog Output 3	Out-of-Range Activation Delay	GG	7374	Float	4	R W	Second	0 - 300
AEM 1 Remote Analog Output 3	Parameter Minimum	GG	7376	Float	4	R W	n/a	-999999 - 999999
AEM 1 Remote Analog Output 3	Parameter Maximum	GG	7378	Float	4	R W	n/a	-999999 - 999999
AEM 1 Remote Analog Output 3	Current Minimum	GG	7380	Float	4	R W	Milliamp	4 - 20
AEM 1 Remote Analog Output 3	Current Maximum	GG	7382	Float	4	R W	Milliamp	4 - 20
AEM 1 Remote Analog Output 3	Voltage Minimum	GG	7384	Float	4	R W	Volt	0 - 10
AEM 1 Remote Analog Output 3	Voltage Maximum	GG	7386	Float	4	R W	Volt	0 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 1 Remote Analog Output 3	Alarm Configuration	GG	7388	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 1 Remote Analog Output 4	Parameter Selection	GG	7390	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
AEM 1 Remote Analog Output 4	Out-of-Range Activation Delay	GG	7392	Float	4	R W	Second	0 - 300
AEM 1 Remote Analog Output 4	Parameter Minimum	GG	7394	Float	4	R W	n/a	-999999 - 999999
AEM 1 Remote Analog Output 4	Parameter Maximum	GG	7396	Float	4	R W	n/a	-999999 - 999999
AEM 1 Remote Analog Output 4	Current Minimum	GG	7398	Float	4	R W	Milliamp	4 - 20
AEM 1 Remote Analog Output 4	Current Maximum	GG	7400	Float	4	R W	Milliamp	4 - 20
AEM 1 Remote Analog Output 4	Voltage Minimum	GG	7402	Float	4	R W	Volt	0 - 10
AEM 1 Remote Analog Output 4	Voltage Maximum	GG	7404	Float	4	R W	Volt	0 - 10
AEM 1 Remote Analog Output 4	Alarm Configuration	GG	7406	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Input Config. 1	Parameter Minimum	GG	7408	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 1	Parameter Maximum	GG	7410	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 1	Current Minimum	GG	7412	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 1	Current Maximum	GG	7414	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 1	Voltage Minimum	GG	7416	Float	4	R W	Volt	0 - 10
AEM 2 Input Config. 1	Voltage Maximum	GG	7418	Float	4	R W	Volt	0 - 10
AEM 2 Input Config. 1	Alarm Configuration	GG	7420	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Input Config. 2	Parameter Minimum	GG	7422	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 2	Parameter Maximum	GG	7424	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 2	Current Minimum	GG	7426	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 2	Current Maximum	GG	7428	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 2	Voltage Minimum	GG	7430	Float	4	R W	Volt	0 - 10
AEM 2 Input Config. 2	Voltage Maximum	GG	7432	Float	4	R W	Volt	0 - 10
AEM 2 Input Config. 2	Alarm Configuration	GG	7434	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Input Config. 3	Parameter Minimum	GG	7436	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 3	Parameter Maximum	GG	7438	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 3	Current Minimum	GG	7440	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 3	Current Maximum	GG	7442	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 3	Voltage Minimum	GG	7444	Float	4	R W	Volt	0 - 10
AEM 2 Input Config. 3	Voltage Maximum	GG	7446	Float	4	R W	Volt	0 - 10
AEM 2 Input Config. 3	Alarm Configuration	GG	7448	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Input Config. 4	Parameter Minimum	GG	7450	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 4	Parameter Maximum	GG	7452	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 4	Current Minimum	GG	7454	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 4	Current Maximum	GG	7456	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 4	Voltage Minimum	GG	7458	Float	4	R W	Volt	0 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 2 Input Config. 4	Voltage Maximum	GG	7460	Float	4	R W	Volt	0 - 10
AEM 2 Input Config. 4	Alarm Configuration	GG	7462	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Input Config. 5	Parameter Minimum	GG	7464	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 5	Parameter Maximum	GG	7466	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 5	Current Minimum	GG	7468	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 5	Current Maximum	GG	7470	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 5	Voltage Minimum	GG	7472	Float	4	R W	Volt	0 - 10
AEM 2 Input Config. 5	Voltage Maximum	GG	7474	Float	4	R W	Volt	0 - 10
AEM 2 Input Config. 5	Alarm Configuration	GG	7476	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Input Config. 6	Parameter Minimum	GG	7478	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 6	Parameter Maximum	GG	7480	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 6	Current Minimum	GG	7482	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 6	Current Maximum	GG	7484	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 6	Voltage Minimum	GG	7486	Float	4	R W	Volt	0 - 10
AEM 2 Input Config. 6	Voltage Maximum	GG	7488	Float	4	R W	Volt	0 - 10
AEM 2 Input Config. 6	Alarm Configuration	GG	7490	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Input Config. 7	Parameter Minimum	GG	7492	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 7	Parameter Maximum	GG	7494	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 7	Current Minimum	GG	7496	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 7	Current Maximum	GG	7498	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 7	Voltage Minimum	GG	7500	Float	4	R W	Volt	0 - 10
AEM 2 Input Config. 7	Voltage Maximum	GG	7502	Float	4	R W	Volt	0 - 10
AEM 2 Input Config. 7	Alarm Configuration	GG	7504	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Input Config. 8	Parameter Minimum	GG	7506	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 8	Parameter Maximum	GG	7508	Float	4	R W	n/a	-999999 - 999999
AEM 2 Input Config. 8	Current Minimum	GG	7510	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 8	Current Maximum	GG	7512	Float	4	R W	Milliamp	4 - 20
AEM 2 Input Config. 8	Voltage Minimum	GG	7514	Float	4	R W	Volt	0 - 10
AEM 2 Input Config. 8	Voltage Maximum	GG	7516	Float	4	R W	Volt	0 - 10
AEM 2 Input Config. 8	Alarm Configuration	GG	7518	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 1	Hysteresis	GG	7520	Float	4	R W	Percent	0 - 100
AEM 2 Protection 1	Arming Delay	GG	7522	Float	4	R W	Second	0 - 300
AEM 2 Protection 1	Threshold 1 Pickup	GG	7524	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 1	Threshold 1 Activation Delay	GG	7526	Float	4	R W	Second	0 - 300
AEM 2 Protection 1	Threshold 1 Alarm Configuration	GG	7528	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 1	Threshold 2 Pickup	GG	7530	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 1	Threshold 2 Activation Delay	GG	7532	Float	4	R W	Second	0 - 300
AEM 2 Protection 1	Threshold 2 Alarm Configuration	GG	7534	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 1	Threshold 3P ickup	GG	7536	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 1	Threshold 3 Activation Delay	GG	7538	Float	4	R W	Second	0 - 300
AEM 2 Protection 1	Threshold 3 Alarm Configuration	GG	7540	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 1	Threshold 4 Pickup	GG	7542	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 1	Threshold 4 Activation Delay	GG	7544	Float	4	R W	Second	0 - 300
AEM 2 Protection 1	Threshold 4 Alarm Configuration	GG	7546	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 2	Hysteresis	GG	7548	Float	4	R W	Percent	0 - 100
AEM 2 Protection 2	Arming Delay	GG	7550	Float	4	R W	Second	0 - 300
AEM 2 Protection 2	Threshold 1 Pickup	GG	7552	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 2	Threshold 1 Activation Delay	GG	7554	Float	4	R W	Second	0 - 300
AEM 2 Protection 2	Threshold 1 Alarm Configuration	GG	7556	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 2	Threshold 2 Pickup	GG	7558	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 2	Threshold 2 Activation Delay	GG	7560	Float	4	R W	Second	0 - 300
AEM 2 Protection 2	Threshold 2 Alarm Configuration	GG	7562	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 2	Threshold 3P ickup	GG	7564	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 2	Threshold 3 Activation Delay	GG	7566	Float	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 2 Protection 2	Threshold 3 Alarm Configuration	GG	7568	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 2	Threshold 4 Pickup	GG	7570	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 2	Threshold 4 Activation Delay	GG	7572	Float	4	R W	Second	0 - 300
AEM 2 Protection 2	Threshold 4 Alarm Configuration	GG	7574	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 3	Hysteresis	GG	7576	Float	4	R W	Percent	0 - 100
AEM 2 Protection 3	Arming Delay	GG	7578	Float	4	R W	Second	0 - 300
AEM 2 Protection 3	Threshold 1 Pickup	GG	7580	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 3	Threshold 1 Activation Delay	GG	7582	Float	4	R W	Second	0 - 300
AEM 2 Protection 3	Threshold 1 Alarm Configuration	GG	7584	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 3	Threshold 2 Pickup	GG	7586	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 3	Threshold 2 Activation Delay	GG	7588	Float	4	R W	Second	0 - 300
AEM 2 Protection 3	Threshold 2 Alarm Configuration	GG	7590	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 3	Threshold 3P ickup	GG	7592	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 3	Threshold 3 Activation Delay	GG	7594	Float	4	R W	Second	0 - 300
AEM 2 Protection 3	Threshold 3 Alarm Configuration	GG	7596	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 3	Threshold 4 Pickup	GG	7598	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 3	Threshold 4 Activation Delay	GG	7600	Float	4	R W	Second	0 - 300
AEM 2 Protection 3	Threshold 4 Alarm Configuration	GG	7602	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 4	Hysteresis	GG	7604	Float	4	R W	Percent	0 - 100
AEM 2 Protection 4	Arming Delay	GG	7606	Float	4	R W	Second	0 - 300
AEM 2 Protection 4	Threshold 1 Pickup	GG	7608	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 4	Threshold 1 Activation Delay	GG	7610	Float	4	R W	Second	0 - 300
AEM 2 Protection 4	Threshold 1 Alarm Configuration	GG	7612	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 4	Threshold 2 Pickup	GG	7614	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 4	Threshold 2 Activation Delay	GG	7616	Float	4	R W	Second	0 - 300
AEM 2 Protection 4	Threshold 2 Alarm Configuration	GG	7618	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 4	Threshold 3P ickup	GG	7620	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 4	Threshold 3 Activation Delay	GG	7622	Float	4	R W	Second	0 - 300
AEM 2 Protection 4	Threshold 3 Alarm Configuration	GG	7624	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 4	Threshold 4 Pickup	GG	7626	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 4	Threshold 4 Activation Delay	GG	7628	Float	4	R W	Second	0 - 300
AEM 2 Protection 4	Threshold 4 Alarm Configuration	GG	7630	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 5	Hysteresis	GG	7632	Float	4	R W	Percent	0 - 100
AEM 2 Protection 5	Arming Delay	GG	7634	Float	4	R W	Second	0 - 300
AEM 2 Protection 5	Threshold 1 Pickup	GG	7636	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 5	Threshold 1 Activation Delay	GG	7638	Float	4	R W	Second	0 - 300
AEM 2 Protection 5	Threshold 1 Alarm Configuration	GG	7640	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 5	Threshold 2 Pickup	GG	7642	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 5	Threshold 2 Activation Delay	GG	7644	Float	4	R W	Second	0 - 300
AEM 2 Protection 5	Threshold 2 Alarm Configuration	GG	7646	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 5	Threshold 3P ickup	GG	7648	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 5	Threshold 3 Activation Delay	GG	7650	Float	4	R W	Second	0 - 300
AEM 2 Protection 5	Threshold 3 Alarm Configuration	GG	7652	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 5	Threshold 4 Pickup	GG	7654	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 5	Threshold 4 Activation Delay	GG	7656	Float	4	R W	Second	0 - 300
AEM 2 Protection 5	Threshold 4 Alarm Configuration	GG	7658	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 6	Hysteresis	GG	7660	Float	4	R W	Percent	0 - 100
AEM 2 Protection 6	Arming Delay	GG	7662	Float	4	R W	Second	0 - 300
AEM 2 Protection 6	Threshold 1 Pickup	GG	7664	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 6	Threshold 1 Activation Delay	GG	7666	Float	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 2 Protection 6	Threshold 1 Alarm Configuration	GG	7668	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 6	Threshold 2 Pickup	GG	7670	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 6	Threshold 2 Activation Delay	GG	7672	Float	4	R W	Second	0 - 300
AEM 2 Protection 6	Threshold 2 Alarm Configuration	GG	7674	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 6	Threshold 3P ickup	GG	7676	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 6	Threshold 3 Activation Delay	GG	7678	Float	4	R W	Second	0 - 300
AEM 2 Protection 6	Threshold 3 Alarm Configuration	GG	7680	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 6	Threshold 4 Pickup	GG	7682	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 6	Threshold 4 Activation Delay	GG	7684	Float	4	R W	Second	0 - 300
AEM 2 Protection 6	Threshold 4 Alarm Configuration	GG	7686	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 7	Hysteresis	GG	7688	Float	4	R W	Percent	0 - 100
AEM 2 Protection 7	Arming Delay	GG	7690	Float	4	R W	Second	0 - 300
AEM 2 Protection 7	Threshold 1 Pickup	GG	7692	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 7	Threshold 1 Activation Delay	GG	7694	Float	4	R W	Second	0 - 300
AEM 2 Protection 7	Threshold 1 Alarm Configuration	GG	7696	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 7	Threshold 2 Pickup	GG	7698	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 7	Threshold 2 Activation Delay	GG	7700	Float	4	R W	Second	0 - 300
AEM 2 Protection 7	Threshold 2 Alarm Configuration	GG	7702	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 7	Threshold 3P ickup	GG	7704	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 7	Threshold 3 Activation Delay	GG	7706	Float	4	R W	Second	0 - 300
AEM 2 Protection 7	Threshold 3 Alarm Configuration	GG	7708	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 7	Threshold 4 Pickup	GG	7710	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 7	Threshold 4 Activation Delay	GG	7712	Float	4	R W	Second	0 - 300
AEM 2 Protection 7	Threshold 4 Alarm Configuration	GG	7714	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 8	Hysteresis	GG	7716	Float	4	R W	Percent	0 - 100
AEM 2 Protection 8	Arming Delay	GG	7718	Float	4	R W	Second	0 - 300
AEM 2 Protection 8	Threshold 1 Pickup	GG	7720	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 8	Threshold 1 Activation Delay	GG	7722	Float	4	R W	Second	0 - 300
AEM 2 Protection 8	Threshold 1 Alarm Configuration	GG	7724	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 8	Threshold 2 Pickup	GG	7726	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 8	Threshold 2 Activation Delay	GG	7728	Float	4	R W	Second	0 - 300
AEM 2 Protection 8	Threshold 2 Alarm Configuration	GG	7730	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 8	Threshold 3P ickup	GG	7732	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 8	Threshold 3 Activation Delay	GG	7734	Float	4	R W	Second	0 - 300
AEM 2 Protection 8	Threshold 3 Alarm Configuration	GG	7736	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Protection 8	Threshold 4 Pickup	GG	7738	Float	4	R W	n/a	-999999 - 999999
AEM 2 Protection 8	Threshold 4 Activation Delay	GG	7740	Float	4	R W	Second	0 - 300
AEM 2 Protection 8	Threshold 4 Alarm Configuration	GG	7742	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Remote Analog Output 1	Parameter Selection	GG	7744	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
AEM 2 Remote Analog Output 1	Out-of-Range Activation Delay	GG	7746	Float	4	R W	Second	0 - 300
AEM 2 Remote Analog Output 1	Parameter Minimum	GG	7748	Float	4	R W	n/a	-999999 - 999999
AEM 2 Remote Analog Output 1	Parameter Maximum	GG	7750	Float	4	R W	n/a	-999999 - 999999
AEM 2 Remote Analog Output 1	Current Minimum	GG	7752	Float	4	R W	Milliamp	4 - 20
AEM 2 Remote Analog Output 1	Current Maximum	GG	7754	Float	4	R W	Milliamp	4 - 20
AEM 2 Remote Analog Output 1	Voltage Minimum	GG	7756	Float	4	R W	Volt	0 - 10
AEM 2 Remote Analog Output 1	Voltage Maximum	GG	7758	Float	4	R W	Volt	0 - 10
AEM 2 Remote Analog Output 1	Alarm Configuration	GG	7760	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Remote Analog Output 2	Parameter Selection	GG	7762	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
AEM 2 Remote Analog Output 2	Out-of-Range Activation Delay	GG	7764	Float	4	R W	Second	0 - 300
AEM 2 Remote Analog Output 2	Parameter Minimum	GG	7766	Float	4	R W	n/a	-999999 - 999999
AEM 2 Remote Analog Output 2	Parameter Maximum	GG	7768	Float	4	R W	n/a	-999999 - 999999
AEM 2 Remote Analog Output 2	Current Minimum	GG	7770	Float	4	R W	Milliamp	4 - 20
AEM 2 Remote Analog Output 2	Current Maximum	GG	7772	Float	4	R W	Milliamp	4 - 20
AEM 2 Remote Analog Output 2	Voltage Minimum	GG	7774	Float	4	R W	Volt	0 - 10
AEM 2 Remote Analog Output 2	Voltage Maximum	GG	7776	Float	4	R W	Volt	0 - 10
AEM 2 Remote Analog Output 2	Alarm Configuration	GG	7778	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Remote Analog Output 3	Parameter Selection	GG	7780	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
AEM 2 Remote Analog Output 3	Out-of-Range Activation Delay	GG	7782	Float	4	R W	Second	0 - 300
AEM 2 Remote Analog Output 3	Parameter Minimum	GG	7784	Float	4	R W	n/a	-999999 - 999999
AEM 2 Remote Analog Output 3	Parameter Maximum	GG	7786	Float	4	R W	n/a	-999999 - 999999
AEM 2 Remote Analog Output 3	Current Minimum	GG	7788	Float	4	R W	Milliamp	4 - 20
AEM 2 Remote Analog Output 3	Current Maximum	GG	7790	Float	4	R W	Milliamp	4 - 20
AEM 2 Remote Analog Output 3	Voltage Minimum	GG	7792	Float	4	R W	Volt	0 - 10
AEM 2 Remote Analog Output 3	Voltage Maximum	GG	7794	Float	4	R W	Volt	0 - 10
AEM 2 Remote Analog Output 3	Alarm Configuration	GG	7796	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 2 Remote Analog Output 4	Parameter Selection	GG	7798	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
AEM 2 Remote Analog Output 4	Out-of-Range Activation Delay	GG	7800	Float	4	R W	Second	0 - 300
AEM 2 Remote Analog Output 4	Parameter Minimum	GG	7802	Float	4	R W	n/a	-999999 - 999999
AEM 2 Remote Analog Output 4	Parameter Maximum	GG	7804	Float	4	R W	n/a	-999999 - 999999
AEM 2 Remote Analog Output 4	Current Minimum	GG	7806	Float	4	R W	Milliamp	4 - 20
AEM 2 Remote Analog Output 4	Current Maximum	GG	7808	Float	4	R W	Milliamp	4 - 20
AEM 2 Remote Analog Output 4	Voltage Minimum	GG	7810	Float	4	R W	Volt	0 - 10
AEM 2 Remote Analog Output 4	Voltage Maximum	GG	7812	Float	4	R W	Volt	0 - 10
AEM 2 Remote Analog Output 4	Alarm Configuration	GG	7814	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Input Config. 1	Parameter Minimum	GG	7816	Float	4	R W	n/a	-999999 - 999999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 3 Input Config. 1	Parameter Maximum	GG	7818	Float	4	R W	n/a	-999999 - 999999
AEM 3 Input Config. 1	Current Minimum	GG	7820	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 1	Current Maximum	GG	7822	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 1	Voltage Minimum	GG	7824	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 1	Voltage Maximum	GG	7826	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 1	Alarm Configuration	GG	7828	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Input Config. 2	Parameter Minimum	GG	7830	Float	4	R W	n/a	-999999 - 999999
AEM 3 Input Config. 2	Parameter Maximum	GG	7832	Float	4	R W	n/a	-999999 - 999999
AEM 3 Input Config. 2	Current Minimum	GG	7834	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 2	Current Maximum	GG	7836	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 2	Voltage Minimum	GG	7838	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 2	Voltage Maximum	GG	7840	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 2	Alarm Configuration	GG	7842	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Input Config. 3	Parameter Minimum	GG	7844	Float	4	R W	n/a	-999999 - 999999
AEM 3 Input Config. 3	Parameter Maximum	GG	7846	Float	4	R W	n/a	-999999 - 999999
AEM 3 Input Config. 3	Current Minimum	GG	7848	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 3	Current Maximum	GG	7850	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 3	Voltage Minimum	GG	7852	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 3	Voltage Maximum	GG	7854	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 3	Alarm Configuration	GG	7856	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Input Config. 4	Parameter Minimum	GG	7858	Float	4	R W	n/a	-999999 - 999999
AEM 3 Input Config. 4	Parameter Maximum	GG	7860	Float	4	R W	n/a	-999999 - 999999
AEM 3 Input Config. 4	Current Minimum	GG	7862	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 4	Current Maximum	GG	7864	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 4	Voltage Minimum	GG	7866	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 4	Voltage Maximum	GG	7868	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 4	Alarm Configuration	GG	7870	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Input Config. 5	Parameter Minimum	GG	7872	Float	4	R W	n/a	-999999 - 999999
AEM 3 Input Config. 5	Parameter Maximum	GG	7874	Float	4	R W	n/a	-999999 - 999999
AEM 3 Input Config. 5	Current Minimum	GG	7876	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 5	Current Maximum	GG	7878	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 5	Voltage Minimum	GG	7880	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 5	Voltage Maximum	GG	7882	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 5	Alarm Configuration	GG	7884	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Input Config. 6	Parameter Minimum	GG	7886	Float	4	R W	n/a	-999999 - 999999
AEM 3 Input Config. 6	Parameter Maximum	GG	7888	Float	4	R W	n/a	-999999 - 999999
AEM 3 Input Config. 6	Current Minimum	GG	7890	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 6	Current Maximum	GG	7892	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 6	Voltage Minimum	GG	7894	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 6	Voltage Maximum	GG	7896	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 6	Alarm Configuration	GG	7898	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Input Config. 7	Parameter Minimum	GG	7900	Float	4	R W	n/a	-999999 - 999999
AEM 3 Input Config. 7	Parameter Maximum	GG	7902	Float	4	R W	n/a	-999999 - 999999
AEM 3 Input Config. 7	Current Minimum	GG	7904	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 7	Current Maximum	GG	7906	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 7	Voltage Minimum	GG	7908	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 7	Voltage Maximum	GG	7910	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 7	Alarm Configuration	GG	7912	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Input Config. 8	Parameter Minimum	GG	7914	Float	4	R W	n/a	-999999 - 999999
AEM 3 Input Config. 8	Parameter Maximum	GG	7916	Float	4	R W	n/a	-999999 - 999999
AEM 3 Input Config. 8	Current Minimum	GG	7918	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 8	Current Maximum	GG	7920	Float	4	R W	Milliamp	4 - 20
AEM 3 Input Config. 8	Voltage Minimum	GG	7922	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 8	Voltage Maximum	GG	7924	Float	4	R W	Volt	0 - 10
AEM 3 Input Config. 8	Alarm Configuration	GG	7926	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 1	Hysteresis	GG	7928	Float	4	R W	Percent	0 - 100
AEM 3 Protection 1	Arming Delay	GG	7930	Float	4	R W	Second	0 - 300
AEM 3 Protection 1	Threshold 1 Pickup	GG	7932	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 1	Threshold 1 Activation Delay	GG	7934	Float	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 3 Protection 1	Threshold 1 Alarm Configuration	GG	7936	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 1	Threshold 2 Pickup	GG	7938	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 1	Threshold 2 Activation Delay	GG	7940	Float	4	R W	Second	0 - 300
AEM 3 Protection 1	Threshold 2 Alarm Configuration	GG	7942	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 1	Threshold 3P ickup	GG	7944	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 1	Threshold 3 Activation Delay	GG	7946	Float	4	R W	Second	0 - 300
AEM 3 Protection 1	Threshold 3 Alarm Configuration	GG	7948	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 1	Threshold 4 Pickup	GG	7950	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 1	Threshold 4 Activation Delay	GG	7952	Float	4	R W	Second	0 - 300
AEM 3 Protection 1	Threshold 4 Alarm Configuration	GG	7954	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 2	Hysteresis	GG	7956	Float	4	R W	Percent	0 - 100
AEM 3 Protection 2	Arming Delay	GG	7958	Float	4	R W	Second	0 - 300
AEM 3 Protection 2	Threshold 1 Pickup	GG	7960	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 2	Threshold 1 Activation Delay	GG	7962	Float	4	R W	Second	0 - 300
AEM 3 Protection 2	Threshold 1 Alarm Configuration	GG	7964	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 2	Threshold 2 Pickup	GG	7966	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 2	Threshold 2 Activation Delay	GG	7968	Float	4	R W	Second	0 - 300
AEM 3 Protection 2	Threshold 2 Alarm Configuration	GG	7970	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 2	Threshold 3P ickup	GG	7972	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 2	Threshold 3 Activation Delay	GG	7974	Float	4	R W	Second	0 - 300
AEM 3 Protection 2	Threshold 3 Alarm Configuration	GG	7976	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 2	Threshold 4 Pickup	GG	7978	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 2	Threshold 4 Activation Delay	GG	7980	Float	4	R W	Second	0 - 300
AEM 3 Protection 2	Threshold 4 Alarm Configuration	GG	7982	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 3	Hysteresis	GG	7984	Float	4	R W	Percent	0 - 100
AEM 3 Protection 3	Arming Delay	GG	7986	Float	4	R W	Second	0 - 300
AEM 3 Protection 3	Threshold 1 Pickup	GG	7988	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 3	Threshold 1 Activation Delay	GG	7990	Float	4	R W	Second	0 - 300
AEM 3 Protection 3	Threshold 1 Alarm Configuration	GG	7992	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 3	Threshold 2 Pickup	GG	7994	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 3	Threshold 2 Activation Delay	GG	7996	Float	4	R W	Second	0 - 300
AEM 3 Protection 3	Threshold 2 Alarm Configuration	GG	7998	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 3	Threshold 3P ickup	GG	8000	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 3	Threshold 3 Activation Delay	GG	8002	Float	4	R W	Second	0 - 300
AEM 3 Protection 3	Threshold 3 Alarm Configuration	GG	8004	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 3	Threshold 4 Pickup	GG	8006	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 3	Threshold 4 Activation Delay	GG	8008	Float	4	R W	Second	0 - 300
AEM 3 Protection 3	Threshold 4 Alarm Configuration	GG	8010	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 4	Hysteresis	GG	8012	Float	4	R W	Percent	0 - 100
AEM 3 Protection 4	Arming Delay	GG	8014	Float	4	R W	Second	0 - 300
AEM 3 Protection 4	Threshold 1 Pickup	GG	8016	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 4	Threshold 1 Activation Delay	GG	8018	Float	4	R W	Second	0 - 300
AEM 3 Protection 4	Threshold 1 Alarm Configuration	GG	8020	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 4	Threshold 2 Pickup	GG	8022	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 4	Threshold 2 Activation Delay	GG	8024	Float	4	R W	Second	0 - 300
AEM 3 Protection 4	Threshold 2 Alarm Configuration	GG	8026	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 4	Threshold 3 Pickup	GG	8028	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 4	Threshold 3 Activation Delay	GG	8030	Float	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 3 Protection 4	Threshold 3 Alarm Configuration	GG	8032	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 4	Threshold 4 Pickup	GG	8034	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 4	Threshold 4 Activation Delay	GG	8036	Float	4	R W	Second	0 - 300
AEM 3 Protection 4	Threshold 4 Alarm Configuration	GG	8038	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 5	Hysteresis	GG	8040	Float	4	R W	Percent	0 - 100
AEM 3 Protection 5	Arming Delay	GG	8042	Float	4	R W	Second	0 - 300
AEM 3 Protection 5	Threshold 1 Pickup	GG	8044	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 5	Threshold 1 Activation Delay	GG	8046	Float	4	R W	Second	0 - 300
AEM 3 Protection 5	Threshold 1 Alarm Configuration	GG	8048	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 5	Threshold 2 Pickup	GG	8050	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 5	Threshold 2 Activation Delay	GG	8052	Float	4	R W	Second	0 - 300
AEM 3 Protection 5	Threshold 2 Alarm Configuration	GG	8054	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 5	Threshold 3 Pickup	GG	8056	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 5	Threshold 3 Activation Delay	GG	8058	Float	4	R W	Second	0 - 300
AEM 3 Protection 5	Threshold 3 Alarm Configuration	GG	8060	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 5	Threshold 4 Pickup	GG	8062	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 5	Threshold 4 Activation Delay	GG	8064	Float	4	R W	Second	0 - 300
AEM 3 Protection 5	Threshold 4 Alarm Configuration	GG	8066	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 6	Hysteresis	GG	8068	Float	4	R W	Percent	0 - 100
AEM 3 Protection 6	Arming Delay	GG	8070	Float	4	R W	Second	0 - 300
AEM 3 Protection 6	Threshold 1 Pickup	GG	8072	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 6	Threshold 1 Activation Delay	GG	8074	Float	4	R W	Second	0 - 300
AEM 3 Protection 6	Threshold 1 Alarm Configuration	GG	8076	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 6	Threshold 2 Pickup	GG	8078	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 6	Threshold 2 Activation Delay	GG	8080	Float	4	R W	Second	0 - 300
AEM 3 Protection 6	Threshold 2 Alarm Configuration	GG	8082	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 6	Threshold 3 Pickup	GG	8084	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 6	Threshold 3 Activation Delay	GG	8086	Float	4	R W	Second	0 - 300
AEM 3 Protection 6	Threshold 3 Alarm Configuration	GG	8088	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 6	Threshold 4 Pickup	GG	8090	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 6	Threshold 4 Activation Delay	GG	8092	Float	4	R W	Second	0 - 300
AEM 3 Protection 6	Threshold 4 Alarm Configuration	GG	8094	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 7	Hysteresis	GG	8096	Float	4	R W	Percent	0 - 100
AEM 3 Protection 7	Arming Delay	GG	8098	Float	4	R W	Second	0 - 300
AEM 3 Protection 7	Threshold 1 Pickup	GG	8100	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 7	Threshold 1 Activation Delay	GG	8102	Float	4	R W	Second	0 - 300
AEM 3 Protection 7	Threshold 1 Alarm Configuration	GG	8104	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 7	Threshold 2 Pickup	GG	8106	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 7	Threshold 2 Activation Delay	GG	8108	Float	4	R W	Second	0 - 300
AEM 3 Protection 7	Threshold 2 Alarm Configuration	GG	8110	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 7	Threshold 3 Pickup	GG	8112	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 7	Threshold 3 Activation Delay	GG	8114	Float	4	R W	Second	0 - 300
AEM 3 Protection 7	Threshold 3 Alarm Configuration	GG	8116	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 7	Threshold 4 Pickup	GG	8118	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 7	Threshold 4 Activation Delay	GG	8120	Float	4	R W	Second	0 - 300
AEM 3 Protection 7	Threshold 4 Alarm Configuration	GG	8122	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 8	Hysteresis	GG	8124	Float	4	R W	Percent	0 - 100
AEM 3 Protection 8	Arming Delay	GG	8126	Float	4	R W	Second	0 - 300
AEM 3 Protection 8	Threshold 1 Pickup	GG	8128	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 8	Threshold 1 Activation Delay	GG	8130	Float	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 3 Protection 8	Threshold 1 Alarm Configuration	GG	8132	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 8	Threshold 2 Pickup	GG	8134	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 8	Threshold 2 Activation Delay	GG	8136	Float	4	R W	Second	0 - 300
AEM 3 Protection 8	Threshold 2 Alarm Configuration	GG	8138	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 8	Threshold 3 Pickup	GG	8140	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 8	Threshold 3 Activation Delay	GG	8142	Float	4	R W	Second	0 - 300
AEM 3 Protection 8	Threshold 3 Alarm Configuration	GG	8144	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Protection 8	Threshold 4 Pickup	GG	8146	Float	4	R W	n/a	-999999 - 999999
AEM 3 Protection 8	Threshold 4 Activation Delay	GG	8148	Float	4	R W	Second	0 - 300
AEM 3 Protection 8	Threshold 4 Alarm Configuration	GG	8150	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Remote Analog Output 1	Parameter Selection	GG	8152	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 1 kW Total=63
								Bus 2 kW A=64
								Bus 2 kW B=65
								Bus 2 kW C=66
								Bus 2 kW Total=67
								Gen kVA A=68
								Gen kVA B=69
								Gen kVA C=70
								Gen kVA Total=71
								Bus 1 kVA A=72
								Bus 1 kVA B=73
								Bus 1 kVA C=74
								Bus 1 kVA Total=75
								Bus 2 kVA A=76
								Bus 2 kVA B=77
								Bus 2 kVA C=78
								Bus 2 kVA Total=79
								Gen kvar A=80
								Gen kvar B=81
								Gen kvar C=82
								Gen kvar Total=83
								Bus 1 kvar A=84
								Bus 1 kvar B=85
								Bus 1 kvar C=86
								Bus 1 kvar Total=87
								Bus 2 kvar A=88
								Bus 2 kvar B=89
								Bus 2 kvar C=90
								Bus 2 kvar Total=91
								Fuel Pressure=92
								Injector metering rail pressure=93
								Total Fuel Used=94
								Fuel temperature=95
								Engine oil temperature=96
								Engine intercooler temperature=97
								Coolant pressure=98
								Fuel Rate=99
								Boost pressure=100
								Intake manifold temperature=101
								Charge air temperature=102
								Engine Percent Load=103
								Analog Input 1=104
								Analog Input 2=105
								Analog Input 3=106
								Analog Input 4=107
								kW Load Percent=108
								Number of Units Online=109
								System kW Capacity=110
								System Total Gen kW=111
								System Total Gen kvar=112
								AEM 1 Analog Input 1=300
								AEM 1 Analog Input 2=301
								AEM 1 Analog Input 3=302
								AEM 1 Analog Input 4=303
								AEM 1 Analog Input 5=304
								AEM 1 Analog Input 6=305
								AEM 1 Analog Input 7=306
								AEM 1 Analog Input 8=307
								AEM 1 RTD Input 1=308
								AEM 1 RTD Input 2=309
								AEM 1 RTD Input 3=310
								AEM 1 RTD Input 4=311
								AEM 1 RTD Input 5=312
								AEM 1 RTD Input 6=313
								AEM 1 RTD Input 7=314
								AEM 1 RTD Input 8=315
								AEM 1 TC Input 1=316
								AEM 1 TC Input 2=317
								AEM 2 Analog Input 1=318
								AEM 2 Analog Input 2=319
								AEM 2 Analog Input 3=320
								AEM 2 Analog Input 4=321
								AEM 2 Analog Input 5=322
								AEM 2 Analog Input 6=323
								AEM 2 Analog Input 7=324
								AEM 2 Analog Input 8=325
								AEM 2 RTD Input 1=326
								AEM 2 RTD Input 2=327
								AEM 2 RTD Input 3=328

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
AEM 3 Remote Analog Output 1	Out-of-Range Activation Delay	GG	8154	Float	4	R W	Second	0 - 300
AEM 3 Remote Analog Output 1	Parameter Minimum	GG	8156	Float	4	R W	n/a	-999999 - 999999
AEM 3 Remote Analog Output 1	Parameter Maximum	GG	8158	Float	4	R W	n/a	-999999 - 999999
AEM 3 Remote Analog Output 1	Current Minimum	GG	8160	Float	4	R W	Milliamp	4 - 20
AEM 3 Remote Analog Output 1	Current Maximum	GG	8162	Float	4	R W	Milliamp	4 - 20
AEM 3 Remote Analog Output 1	Voltage Minimum	GG	8164	Float	4	R W	Volt	0 - 10
AEM 3 Remote Analog Output 1	Voltage Maximum	GG	8166	Float	4	R W	Volt	0 - 10
AEM 3 Remote Analog Output 1	Alarm Configuration	GG	8168	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Remote Analog Output 2	Parameter Selection	GG	8170	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
AEM 3 Remote Analog Output 2	Out-of-Range Activation Delay	GG	8172	Float	4	R W	Second	0 - 300
AEM 3 Remote Analog Output 2	Parameter Minimum	GG	8174	Float	4	R W	n/a	-999999 - 999999
AEM 3 Remote Analog Output 2	Parameter Maximum	GG	8176	Float	4	R W	n/a	-999999 - 999999
AEM 3 Remote Analog Output 2	Current Minimum	GG	8178	Float	4	R W	Milliamp	4 - 20
AEM 3 Remote Analog Output 2	Current Maximum	GG	8180	Float	4	R W	Milliamp	4 - 20
AEM 3 Remote Analog Output 2	Voltage Minimum	GG	8182	Float	4	R W	Volt	0 - 10
AEM 3 Remote Analog Output 2	Voltage Maximum	GG	8184	Float	4	R W	Volt	0 - 10
AEM 3 Remote Analog Output 2	Alarm Configuration	GG	8186	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Remote Analog Output 3	Parameter Selection	GG	8188	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
AEM 3 Remote Analog Output 3	Out-of-Range Activation Delay	GG	8190	Float	4	R W	Second	0 - 300
AEM 3 Remote Analog Output 3	Parameter Minimum	GG	8192	Float	4	R W	n/a	-999999 - 999999
AEM 3 Remote Analog Output 3	Parameter Maximum	GG	8194	Float	4	R W	n/a	-999999 - 999999
AEM 3 Remote Analog Output 3	Current Minimum	GG	8196	Float	4	R W	Milliamp	4 - 20
AEM 3 Remote Analog Output 3	Current Maximum	GG	8198	Float	4	R W	Milliamp	4 - 20
AEM 3 Remote Analog Output 3	Voltage Minimum	GG	8200	Float	4	R W	Volt	0 - 10
AEM 3 Remote Analog Output 3	Voltage Maximum	GG	8202	Float	4	R W	Volt	0 - 10
AEM 3 Remote Analog Output 3	Alarm Configuration	GG	8204	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 3 Remote Analog Output 4	Parameter Selection	GG	8206	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Gen Vavg LL=10
								Gen VAN=11
								Gen VBN=12
								Gen VCN=13
								Gen Vavg LN=14
								Bus 1 Hz=15
								Bus 1 VAB=16
								Bus 1 VBC=17
								Bus 1 VCA=18
								Bus 1 Vavg LL=19
								Bus 1 VA=20
								Bus 1 VB=21
								Bus 1 VC=22
								Bus 1 Vavg LN=23
								Bus 2 Hz=24
								Bus 2 VAB=25
								Bus 2 VBC=26
								Bus 2 VCA=27
								Bus 2 Vavg LL=28
								Bus 2 VAN=29
								Bus 2 VBN=30
								Bus 2 VCN=31
								Bus 2 Vavg LN=32
								Gen PF=33
								Bus 1 PF=34
								Bus 2 PF=35
								Gen Pos kWh=36
								Gen Neg kWh=37
								Bus 1 Pos kWh=38
								Bus 1 Neg kWh=39
								Bus 2 Pos kWh=40
								Bus 2 Neg kWh=41
								Gen IA=42
								Gen IB=43
								Gen IC=44
								Gen I Avg=45
								Bus 1 IA=46
								Bus 1 IB=47
								Bus 1 IC=48
								Bus 1 Iavg=49
								Bus 2 IAN=50
								Bus 2 IBN=51
								Bus 2 ICN=52
								Bus 2 Iavg=53
								IG=54
								I Aux=55
								Gen kW A=56
								Gen kW B=57
								Gen kW C=58
								Gen kW Total=59
								Bus 1 kW A=60
								Bus 1 kW B=61
								Bus 1 kW C=62
								Bus 1 kW Total=63
								Bus 2 kW A=64
								Bus 2 kW B=65
								Bus 2 kW C=66
								Bus 2 kW Total=67
								Gen kVA A=68
								Gen kVA B=69
								Gen kVA C=70
								Gen kVA Total=71
								Bus 1 kVA A=72
								Bus 1 kVA B=73
								Bus 1 kVA C=74
								Bus 1 kVA Total=75
								Bus 2 kVA A=76
								Bus 2 kVA B=77
								Bus 2 kVA C=78
								Bus 2 kVA Total=79
								Gen kvar A=80
								Gen kvar B=81
								Gen kvar C=82
								Gen kvar Total=83
								Bus 1 kvar A=84
								Bus 1 kvar B=85
								Bus 1 kvar C=86
								Bus 1 kvar Total=87
								Bus 2 kvar A=88
								Bus 2 kvar B=89
								Bus 2 kvar C=90
								Bus 2 kvar Total=91

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
AEM 3 Remote Analog Output 4	Out-of-Range Activation Delay	GG	8208	Float	4	R W	Second	0 - 300
AEM 3 Remote Analog Output 4	Parameter Minimum	GG	8210	Float	4	R W	n/a	-999999 - 999999
AEM 3 Remote Analog Output 4	Parameter Maximum	GG	8212	Float	4	R W	n/a	-999999 - 999999
AEM 3 Remote Analog Output 4	Current Minimum	GG	8214	Float	4	R W	Milliamp	4 - 20
AEM 3 Remote Analog Output 4	Current Maximum	GG	8216	Float	4	R W	Milliamp	4 - 20
AEM 3 Remote Analog Output 4	Voltage Minimum	GG	8218	Float	4	R W	Volt	0 - 10
AEM 3 Remote Analog Output 4	Voltage Maximum	GG	8220	Float	4	R W	Volt	0 - 10
AEM 3 Remote Analog Output 4	Alarm Configuration	GG	8222	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Input Config. 1	Parameter Minimum	GG	8224	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 1	Parameter Maximum	GG	8226	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 1	Current Minimum	GG	8228	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 1	Current Maximum	GG	8230	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 1	Voltage Minimum	GG	8232	Float	4	R W	Volt	0 - 10
AEM 4 Input Config. 1	Voltage Maximum	GG	8234	Float	4	R W	Volt	0 - 10
AEM 4 Input Config. 1	Alarm Configuration	GG	8236	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Input Config. 2	Parameter Minimum	GG	8238	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 2	Parameter Maximum	GG	8240	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 2	Current Minimum	GG	8242	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 2	Current Maximum	GG	8244	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 2	Voltage Minimum	GG	8246	Float	4	R W	Volt	0 - 10
AEM 4 Input Config. 2	Voltage Maximum	GG	8248	Float	4	R W	Volt	0 - 10
AEM 4 Input Config. 2	Alarm Configuration	GG	8250	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Input Config. 3	Parameter Minimum	GG	8252	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 3	Parameter Maximum	GG	8254	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 3	Current Minimum	GG	8256	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 3	Current Maximum	GG	8258	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 3	Voltage Minimum	GG	8260	Float	4	R W	Volt	0 - 10
AEM 4 Input Config. 3	Voltage Maximum	GG	8262	Float	4	R W	Volt	0 - 10
AEM 4 Input Config. 3	Alarm Config	GG	8264	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Input Config. 4	Parameter Minimum	GG	8266	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 4	Parameter Maximum	GG	8268	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 4	Current Minimum	GG	8270	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 4	Current Maximum	GG	8272	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 4	Voltage Minimum	GG	8274	Float	4	R W	Volt	0 - 10
AEM 4 Input Config. 4	Voltage Maximum	GG	8276	Float	4	R W	Volt	0 - 10
AEM 4 Input Config. 4	Alarm Configuration	GG	8278	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Input Config. 5	Parameter Minimum	GG	8280	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 5	Parameter Maximum	GG	8282	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 5	Current Minimum	GG	8284	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 5	Current Maximum	GG	8286	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 5	Voltage Minimum	GG	8288	Float	4	R W	Volt	0 - 10
AEM 4 Input Config. 5	Voltage Maximum	GG	8290	Float	4	R W	Volt	0 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 4 Input Config. 5	Alarm Config	GG	8292	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Input Config. 6	Parameter Minimum	GG	8294	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 6	Parameter Maximum	GG	8296	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 6	Current Minimum	GG	8298	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 6	Current Maximum	GG	8300	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 6	Voltage Minimum	GG	8302	Float	4	R W	Volt	0 - 10
AEM 4 Input Config. 6	Voltage Maximum	GG	8304	Float	4	R W	Volt	0 - 10
AEM 4 Input Config. 6	Alarm Configuration	GG	8306	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Input Config. 7	Parameter Minimum	GG	8308	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 7	Parameter Maximum	GG	8310	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 7	Current Minimum	GG	8312	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 7	Current Maximum	GG	8314	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 7	Voltage Minimum	GG	8316	Float	4	R W	Volt	0 - 10
AEM 4 Input Config. 7	Voltage Maximum	GG	8318	Float	4	R W	Volt	0 - 10
AEM 4 Input Config. 7	Alarm Configuration	GG	8320	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Input Config. 8	Parameter Minimum	GG	8322	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 8	Parameter Maximum	GG	8324	Float	4	R W	n/a	-999999 - 999999
AEM 4 Input Config. 8	Current Minimum	GG	8326	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 8	Current Maximum	GG	8328	Float	4	R W	Milliamp	4 - 20
AEM 4 Input Config. 8	Voltage Minimum	GG	8330	Float	4	R W	Volt	0 - 10
AEM 4 Input Config. 8	Voltage Maximum	GG	8332	Float	4	R W	Volt	0 - 10
AEM 4 Input Config. 8	Alarm Configuration	GG	8334	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 1	Hysteresis	GG	8336	Float	4	R W	Percent	0 - 100
AEM 4 Protection 1	Arming Delay	GG	8338	Float	4	R W	Second	0 - 300
AEM 4 Protection 1	Threshold 1 Pickup	GG	8340	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 1	Threshold 1 Activation Delay	GG	8342	Float	4	R W	Second	0 - 300
AEM 4 Protection 1	Threshold 1 Alarm Configuration	GG	8344	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 1	Threshold 2 Pickup	GG	8346	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 1	Threshold 2 Activation Delay	GG	8348	Float	4	R W	Second	0 - 300
AEM 4 Protection 1	Threshold 2 Alarm Configuration	GG	8350	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 1	Threshold 3 Pickup	GG	8352	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 1	Threshold 3 Activation Delay	GG	8354	Float	4	R W	Second	0 - 300
AEM 4 Protection 1	Threshold 3 Alarm Configuration	GG	8356	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 1	Threshold 4 Pickup	GG	8358	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 1	Threshold 4 Activation Delay	GG	8360	Float	4	R W	Second	0 - 300
AEM 4 Protection 1	Threshold 4 Alarm Configuration	GG	8362	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 2	Hysteresis	GG	8364	Float	4	R W	Percent	0 - 100
AEM 4 Protection 2	Arming Delay	GG	8366	Float	4	R W	Second	0 - 300
AEM 4 Protection 2	Threshold 1 Pickup	GG	8368	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 2	Threshold 1 Activation Delay	GG	8370	Float	4	R W	Second	0 - 300
AEM 4 Protection 2	Threshold 1 Alarm Configuration	GG	8372	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 2	Threshold 2 Pickup	GG	8374	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 2	Threshold 2 Activation Delay	GG	8376	Float	4	R W	Second	0 - 300
AEM 4 Protection 2	Threshold 2 Alarm Configuration	GG	8378	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 2	Threshold 3 Pickup	GG	8380	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 2	Threshold 3 Activation Delay	GG	8382	Float	4	R W	Second	0 - 300
AEM 4 Protection 2	Threshold 3 Alarm Configuration	GG	8384	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 2	Threshold 4 Pickup	GG	8386	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 2	Threshold 4 Activation Delay	GG	8388	Float	4	R W	Second	0 - 300
AEM 4 Protection 2	Threshold 4 Alarm Configuration	GG	8390	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 3	Hysteresis	GG	8392	Float	4	R W	Percent	0 - 100
AEM 4 Protection 3	Arming Delay	GG	8394	Float	4	R W	Second	0 - 300
AEM 4 Protection 3	Threshold 1 Pickup	GG	8396	Float	4	R W	n/a	-999999 - 999999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 4 Protection 3	Threshold 1 Activation Delay	GG	8398	Float	4	R W	Second	0 - 300
AEM 4 Protection 3	Threshold 1 Alarm Configuration	GG	8400	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 3	Threshold 2 Pickup	GG	8402	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 3	Threshold 2 Activation Delay	GG	8404	Float	4	R W	Second	0 - 300
AEM 4 Protection 3	Threshold 2 Alarm Configuration	GG	8406	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 3	Threshold 3 Pickup	GG	8408	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 3	Threshold 3 Activation Delay	GG	8410	Float	4	R W	Second	0 - 300
AEM 4 Protection 3	Threshold 3 Alarm Configuration	GG	8412	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 3	Threshold 4 Pickup	GG	8414	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 3	Threshold 4 Activation Delay	GG	8416	Float	4	R W	Second	0 - 300
AEM 4 Protection 3	Threshold 4 Alarm Configuration	GG	8418	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 4	Hysteresis	GG	8420	Float	4	R W	Percent	0 - 100
AEM 4 Protection 4	Arming Delay	GG	8422	Float	4	R W	Second	0 - 300
AEM 4 Protection 4	Threshold 1 Pickup	GG	8424	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 4	Threshold 1 Activation Delay	GG	8426	Float	4	R W	Second	0 - 300
AEM 4 Protection 4	Threshold 1 Alarm Configuration	GG	8428	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 4	Threshold 2 Pickup	GG	8430	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 4	Threshold 2 Activation Delay	GG	8432	Float	4	R W	Second	0 - 300
AEM 4 Protection 4	Threshold 2 Alarm Configuration	GG	8434	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 4	Threshold 3 Pickup	GG	8436	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 4	Threshold 3 Activation Delay	GG	8438	Float	4	R W	Second	0 - 300
AEM 4 Protection 4	Threshold 3 Alarm Configuration	GG	8440	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 4	Threshold 4 Pickup	GG	8442	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 4	Threshold 4 Activation Delay	GG	8444	Float	4	R W	Second	0 - 300
AEM 4 Protection 4	Threshold 4 Alarm Configuration	GG	8446	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 5	Hysteresis	GG	8448	Float	4	R W	Percent	0 - 100
AEM 4 Protection 5	Arming Delay	GG	8450	Float	4	R W	Second	0 - 300
AEM 4 Protection 5	Threshold 1 Pickup	GG	8452	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 5	Threshold 1 Activation Delay	GG	8454	Float	4	R W	Second	0 - 300
AEM 4 Protection 5	Threshold 1 Alarm Configuration	GG	8456	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 5	Threshold 2 Pickup	GG	8458	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 5	Threshold 2 Activation Delay	GG	8460	Float	4	R W	Second	0 - 300
AEM 4 Protection 5	Threshold 2 Alarm Configuration	GG	8462	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 5	Threshold 3 Pickup	GG	8464	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 5	Threshold 3 Activation Delay	GG	8466	Float	4	R W	Second	0 - 300
AEM 4 Protection 5	Threshold 3 Alarm Configuration	GG	8468	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 5	Threshold 4 Pickup	GG	8470	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 5	Threshold 4 Activation Delay	GG	8472	Float	4	R W	Second	0 - 300
AEM 4 Protection 5	Threshold 4 Alarm Configuration	GG	8474	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 6	Hysteresis	GG	8476	Float	4	R W	Percent	0 - 100
AEM 4 Protection 6	Arming Delay	GG	8478	Float	4	R W	Second	0 - 300
AEM 4 Protection 6	Threshold 1 Pickup	GG	8480	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 6	Threshold 1 Activation Delay	GG	8482	Float	4	R W	Second	0 - 300
AEM 4 Protection 6	Threshold 1 Alarm Configuration	GG	8484	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 6	Threshold 2 Pickup	GG	8486	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 6	Threshold 2 Activation Delay	GG	8488	Float	4	R W	Second	0 - 300
AEM 4 Protection 6	Threshold 2 Alarm Configuration	GG	8490	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 6	Threshold 3 Pickup	GG	8492	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 6	Threshold 3 Activation Delay	GG	8494	Float	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 4 Protection 6	Threshold 3 Alarm Configuration	GG	8496	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 6	Threshold 4 Pickup	GG	8498	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 6	Threshold 4 Activation Delay	GG	8500	Float	4	R W	Second	0 - 300
AEM 4 Protection 6	Threshold 4 Alarm Configuration	GG	8502	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 7	Hysteresis	GG	8504	Float	4	R W	Percent	0 - 100
AEM 4 Protection 7	Arming Delay	GG	8506	Float	4	R W	Second	0 - 300
AEM 4 Protection 7	Threshold 1 Pickup	GG	8508	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 7	Threshold 1 Activation Delay	GG	8510	Float	4	R W	Second	0 - 300
AEM 4 Protection 7	Threshold 1 Alarm Configuration	GG	8512	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 7	Threshold 2 Pickup	GG	8514	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 7	Threshold 2 Activation Delay	GG	8516	Float	4	R W	Second	0 - 300
AEM 4 Protection 7	Threshold 2 Alarm Configuration	GG	8518	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 7	Threshold 3 Pickup	GG	8520	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 7	Threshold 3 Activation Delay	GG	8522	Float	4	R W	Second	0 - 300
AEM 4 Protection 7	Threshold 3 Alarm Configuration	GG	8524	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 7	Threshold 4 Pickup	GG	8526	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 7	Threshold 4 Activation Delay	GG	8528	Float	4	R W	Second	0 - 300
AEM 4 Protection 7	Threshold 4 Alarm Configuration	GG	8530	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 8	Hysteresis	GG	8532	Float	4	R W	Percent	0 - 100
AEM 4 Protection 8	Arming Delay	GG	8534	Float	4	R W	Second	0 - 300
AEM 4 Protection 8	Threshold 1 Pickup	GG	8536	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 8	Threshold 1 Activation Delay	GG	8538	Float	4	R W	Second	0 - 300
AEM 4 Protection 8	Threshold 1 Alarm Configuration	GG	8540	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 8	Threshold 2 Pickup	GG	8542	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 8	Threshold 2 Activation Delay	GG	8544	Float	4	R W	Second	0 - 300
AEM 4 Protection 8	Threshold 2 Alarm Configuration	GG	8546	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 8	Threshold 3 Pickup	GG	8548	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 8	Threshold 3 Activation Delay	GG	8550	Float	4	R W	Second	0 - 300
AEM 4 Protection 8	Threshold 3 Alarm Configuration	GG	8552	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Protection 8	Threshold 4 Pickup	GG	8554	Float	4	R W	n/a	-999999 - 999999
AEM 4 Protection 8	Threshold 4 Activation Delay	GG	8556	Float	4	R W	Second	0 - 300
AEM 4 Protection 8	Threshold 4 Alarm Configuration	GG	8558	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Remote Analog Output 1	Parameter Selection	GG	8560	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 4 Remote Analog Output 1	Out-of-Range Activation Delay	GG	8562	Float	4	R W	Second	0 - 300
AEM 4 Remote Analog Output 1	Parameter Minimum	GG	8564	Float	4	R W	n/a	-999999 - 999999
AEM 4 Remote Analog Output 1	Parameter Maximum	GG	8566	Float	4	R W	n/a	-999999 - 999999
AEM 4 Remote Analog Output 1	Current Minimum	GG	8568	Float	4	R W	Milliamp	4 - 20
AEM 4 Remote Analog Output 1	Current Maximum	GG	8570	Float	4	R W	Milliamp	4 - 20
AEM 4 Remote Analog Output 1	Voltage Minimum	GG	8572	Float	4	R W	Volt	0 - 10
AEM 4 Remote Analog Output 1	Voltage Maximum	GG	8574	Float	4	R W	Volt	0 - 10
AEM 4 Remote Analog Output 1	Alarm Configuration	GG	8576	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Remote Analog Output 2	Parameter Selection	GG	8578	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 2 kW A=64
								Bus 2 kW B=65
								Bus 2 kW C=66
								Bus 2 kW Total=67
								Gen kVA A=68
								Gen kVA B=69
								Gen kVA C=70
								Gen kVA Total=71
								Bus 1 kVA A=72
								Bus 1 kVA B=73
								Bus 1 kVA C=74
								Bus 1 kVA Total=75
								Bus 2 kVA A=76
								Bus 2 kVA B=77
								Bus 2 kVA C=78
								Bus 2 kVA Total=79
								Gen kvar A=80
								Gen kvar B=81
								Gen kvar C=82
								Gen kvar Total=83
								Bus 1 kvar A=84
								Bus 1 kvar B=85
								Bus 1 kvar C=86
								Bus 1 kvar Total=87
								Bus 2 kvar A=88
								Bus 2 kvar B=89
								Bus 2 kvar C=90
								Bus 2 kvar Total=91
								Fuel Pressure=92
								Injector metering rail pressure=93
								Total Fuel Used=94
								Fuel temperature=95
								Engine oil temperature=96
								Engine intercooler temperature=97
								Coolant pressure=98
								Fuel Rate=99
								Boost pressure=100
								Intake manifold temperature=101
								Charge air temperature=102
								Engine Percent Load=103
								Analog Input 1=104
								Analog Input 2=105
								Analog Input 3=106
								Analog Input 4=107
								kW Load Percent=108
								Number of Units Online=109
								System kW Capacity=110
								System Total Gen kW=111
								System Total Gen kvar=112
								AEM 1 Analog Input 1=300
								AEM 1 Analog Input 2=301
								AEM 1 Analog Input 3=302
								AEM 1 Analog Input 4=303
								AEM 1 Analog Input 5=304
								AEM 1 Analog Input 6=305
								AEM 1 Analog Input 7=306
								AEM 1 Analog Input 8=307
								AEM 1 RTD Input 1=308
								AEM 1 RTD Input 2=309
								AEM 1 RTD Input 3=310
								AEM 1 RTD Input 4=311
								AEM 1 RTD Input 5=312
								AEM 1 RTD Input 6=313
								AEM 1 RTD Input 7=314
								AEM 1 RTD Input 8=315
								AEM 1 TC Input 1=316
								AEM 1 TC Input 2=317
								AEM 2 Analog Input 1=318
								AEM 2 Analog Input 2=319
								AEM 2 Analog Input 3=320
								AEM 2 Analog Input 4=321
								AEM 2 Analog Input 5=322
								AEM 2 Analog Input 6=323
								AEM 2 Analog Input 7=324
								AEM 2 Analog Input 8=325
								AEM 2 RTD Input 1=326
								AEM 2 RTD Input 2=327
								AEM 2 RTD Input 3=328
								AEM 2 RTD Input 4=329

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
AEM 4 Remote Analog Output 2	Out-of-Range Activation Delay	GG	8580	Float	4	R W	Second	0 - 300
AEM 4 Remote Analog Output 2	Parameter Minimum	GG	8582	Float	4	R W	n/a	-999999 - 999999
AEM 4 Remote Analog Output 2	Parameter Maximum	GG	8584	Float	4	R W	n/a	-999999 - 999999
AEM 4 Remote Analog Output 2	Current Minimum	GG	8586	Float	4	R W	Milliamp	4 - 20
AEM 4 Remote Analog Output 2	Current Maximum	GG	8588	Float	4	R W	Milliamp	4 - 20
AEM 4 Remote Analog Output 2	Voltage Minimum	GG	8590	Float	4	R W	Volt	0 - 10
AEM 4 Remote Analog Output 2	Voltage Maximum	GG	8592	Float	4	R W	Volt	0 - 10
AEM 4 Remote Analog Output 2	Alarm Configuration	GG	8594	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Remote Analog Output 3	Parameter Selection	GG	8596	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Fuel Rate=99
								Boost pressure=100
								Intake manifold temperature=101
								Charge air temperature=102
								Engine Percent Load=103
								Analog Input 1=104
								Analog Input 2=105
								Analog Input 3=106
								Analog Input 4=107
								kW Load Percent=108
								Number of Units Online=109
								System kW Capacity=110
								System Total Gen kW=111
								System Total Gen kvar=112
								AEM 1 Analog Input 1=300
								AEM 1 Analog Input 2=301
								AEM 1 Analog Input 3=302
								AEM 1 Analog Input 4=303
								AEM 1 Analog Input 5=304
								AEM 1 Analog Input 6=305
								AEM 1 Analog Input 7=306
								AEM 1 Analog Input 8=307
								AEM 1 RTD Input 1=308
								AEM 1 RTD Input 2=309
								AEM 1 RTD Input 3=310
								AEM 1 RTD Input 4=311
								AEM 1 RTD Input 5=312
								AEM 1 RTD Input 6=313
								AEM 1 RTD Input 7=314
								AEM 1 RTD Input 8=315
								AEM 1 TC Input 1=316
								AEM 1 TC Input 2=317
								AEM 2 Analog Input 1=318
								AEM 2 Analog Input 2=319
								AEM 2 Analog Input 3=320
								AEM 2 Analog Input 4=321
								AEM 2 Analog Input 5=322
								AEM 2 Analog Input 6=323
								AEM 2 Analog Input 7=324
								AEM 2 Analog Input 8=325
								AEM 2 RTD Input 1=326
								AEM 2 RTD Input 2=327
								AEM 2 RTD Input 3=328
								AEM 2 RTD Input 4=329
								AEM 2 RTD Input 5=330
								AEM 2 RTD Input 6=331
								AEM 2 RTD Input 7=332
								AEM 2 RTD Input 8=333
								AEM 2 TC Input 1=334
								AEM 2 TC Input 2=335
								AEM 3 Analog Input 1=336
								AEM 3 Analog Input 2=337
								AEM 3 Analog Input 3=338
								AEM 3 Analog Input 4=339
								AEM 3 Analog Input 5=340
								AEM 3 Analog Input 6=341
								AEM 3 Analog Input 7=342
								AEM 3 Analog Input 8=343
								AEM 3 RTD Input 1=344
								AEM 3 RTD Input 2=345
								AEM 3 RTD Input 3=346
								AEM 3 RTD Input 4=347
								AEM 3 RTD Input 5=348
								AEM 3 RTD Input 6=349
								AEM 3 RTD Input 7=350
								AEM 3 RTD Input 8=351
								AEM 3 TC Input 1=352
								AEM 3 TC Input 2=353
								AEM 4 Analog Input 1=354
								AEM 4 Analog Input 2=355
								AEM 4 Analog Input 3=356
								AEM 4 Analog Input 4=357
								AEM 4 Analog Input 5=358
								AEM 4 Analog Input 6=359
								AEM 4 Analog Input 7=360
								AEM 4 Analog Input 8=361
								AEM 4 RTD Input 1=362
								AEM 4 RTD Input 2=363
								AEM 4 RTD Input 3=364
								AEM 4 RTD Input 4=365
								AEM 4 RTD Input 5=366

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
AEM 4 Remote Analog Output 3	Out-of-Range Activation Delay	GG	8598	Float	4	R W	Second	0 - 300
AEM 4 Remote Analog Output 3	Parameter Minimum	GG	8600	Float	4	R W	n/a	-999999 - 999999
AEM 4 Remote Analog Output 3	Parameter Maximum	GG	8602	Float	4	R W	n/a	-999999 - 999999
AEM 4 Remote Analog Output 3	Current Minimum	GG	8604	Float	4	R W	Milliamp	4 - 20
AEM 4 Remote Analog Output 3	Current Maximum	GG	8606	Float	4	R W	Milliamp	4 - 20
AEM 4 Remote Analog Output 3	Voltage Minimum	GG	8608	Float	4	R W	Volt	0 - 10
AEM 4 Remote Analog Output 3	Voltage Maximum	GG	8610	Float	4	R W	Volt	0 - 10
AEM 4 Remote Analog Output 3	Alarm Configuration	GG	8612	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
AEM 4 Remote Analog Output 4	Parameter Selection	GG	8614	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
AEM 4 Remote Analog Output 4	Out-of-Range Activation Delay	GG	8616	Float	4	R W	Second	0 - 300
AEM 4 Remote Analog Output 4	Parameter Minimum	GG	8618	Float	4	R W	n/a	-999999 - 999999
AEM 4 Remote Analog Output 4	Parameter Maximum	GG	8620	Float	4	R W	n/a	-999999 - 999999
AEM 4 Remote Analog Output 4	Current Minimum	GG	8622	Float	4	R W	Milliamp	4 - 20
AEM 4 Remote Analog Output 4	Current Maximum	GG	8624	Float	4	R W	Milliamp	4 - 20
AEM 4 Remote Analog Output 4	Voltage Minimum	GG	8626	Float	4	R W	Volt	0 - 10
AEM 4 Remote Analog Output 4	Voltage Maximum	GG	8628	Float	4	R W	Volt	0 - 10
AEM 4 Remote Analog Output 4	Alarm Configuration	GG	8630	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 1 Protection	Parameter Minimum	GG	8632	Float	4	R W	n/a	-999999 - 999999
Analog Input 1 Protection	Parameter Maximum	GG	8634	Float	4	R W	n/a	-999999 - 999999
Analog Input 1 Protection	Current Minimum	GG	8636	Float	4	R W	Milliamp	4 - 20
Analog Input 1 Protection	Current Maximum	GG	8638	Float	4	R W	Milliamp	4 - 20
Analog Input 1 Protection	Voltage Minimum	GG	8640	Float	4	R W	Volt	0 - 10
Analog Input 1 Protection	Voltage Maximum	GG	8642	Float	4	R W	Volt	0 - 10
Analog Input 1 Protection	Alarm Configuration	GG	8644	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 1 Protection	Hysteresis	GG	8646	Float	4	R W	Percent	0 - 100
Analog Input 1 Protection	Arming Delay	GG	8648	Float	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Analog Input 1 Protection	Threshold 1 Pickup	GG	8650	Float	4	R W	n/a	-999999 - 999999
Analog Input 1 Protection	Threshold 1 Activation Delay	GG	8652	Float	4	R W	Second	0 - 300
Analog Input 1 Protection	Threshold 1 Alarm Configuration	GG	8654	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 1 Protection	Threshold 2 Pickup	GG	8656	Float	4	R W	n/a	-999999 - 999999
Analog Input 1 Protection	Threshold 2 Activation Delay	GG	8658	Float	4	R W	Second	0 - 300
Analog Input 1 Protection	Threshold 2 Alarm Configuration	GG	8660	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 1 Protection	Threshold 3 Pickup	GG	8662	Float	4	R W	n/a	-999999 - 999999
Analog Input 1 Protection	Threshold 3 Activation Delay	GG	8664	Float	4	R W	Second	0 - 300
Analog Input 1 Protection	Threshold 3 Alarm Configuration	GG	8666	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 1 Protection	Threshold 4 Pickup	GG	8668	Float	4	R W	n/a	-999999 - 999999
Analog Input 1 Protection	Threshold 4 Activation Delay	GG	8670	Float	4	R W	Second	0 - 300
Analog Input 1 Protection	Threshold 4 Alarm Configuration	GG	8672	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 2 Protection	Parameter Minimum	GG	8674	Float	4	R W	n/a	-999999 - 999999
Analog Input 2 Protection	Parameter Maximum	GG	8676	Float	4	R W	n/a	-999999 - 999999
Analog Input 2 Protection	Current Minimum	GG	8678	Float	4	R W	Milliamp	4 - 20
Analog Input 2 Protection	Current Maximum	GG	8680	Float	4	R W	Milliamp	4 - 20
Analog Input 2 Protection	Voltage Minimum	GG	8682	Float	4	R W	Volt	0 - 10
Analog Input 2 Protection	Voltage Maximum	GG	8684	Float	4	R W	Volt	0 - 10
Analog Input 2 Protection	alarm config	GG	8686	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 2 Protection	Hysteresis	GG	8688	Float	4	R W	Percent	0 - 100
Analog Input 2 Protection	Arming Delay	GG	8690	Float	4	R W	Second	0 - 300
Analog Input 2 Protection	Threshold 1 Pickup	GG	8692	Float	4	R W	n/a	-999999 - 999999
Analog Input 2 Protection	Threshold 1 Activation Delay	GG	8694	Float	4	R W	Second	0 - 300
Analog Input 2 Protection	Threshold 1 Alarm Configuration	GG	8696	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 2 Protection	Threshold 2 Pickup	GG	8698	Float	4	R W	n/a	-999999 - 999999
Analog Input 2 Protection	Threshold 2 Activation Delay	GG	8700	Float	4	R W	Second	0 - 300
Analog Input 2 Protection	Threshold 2 Alarm Configuration	GG	8702	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 2 Protection	Threshold 3 Pickup	GG	8704	Float	4	R W	n/a	-999999 - 999999
Analog Input 2 Protection	Threshold 3 Activation Delay	GG	8706	Float	4	R W	Second	0 - 300
Analog Input 2 Protection	Threshold 3 Alarm Configuration	GG	8708	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 2 Protection	Threshold 4 Pickup	GG	8710	Float	4	R W	n/a	-999999 - 999999
Analog Input 2 Protection	Threshold 4 Activation Delay	GG	8712	Float	4	R W	Second	0 - 300
Analog Input 2 Protection	Threshold 4 Alarm Configuration	GG	8714	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 3 Protection	Parameter Minimum	GG	8716	Float	4	R W	n/a	-999999 - 999999
Analog Input 3 Protection	Parameter Maximum	GG	8718	Float	4	R W	n/a	-999999 - 999999
Analog Input 3 Protection	Current Minimum	GG	8720	Float	4	R W	Milliamp	4 - 20
Analog Input 3 Protection	Current Maximum	GG	8722	Float	4	R W	Milliamp	4 - 20
Analog Input 3 Protection	Voltage Minimum	GG	8724	Float	4	R W	Volt	0 - 10
Analog Input 3 Protection	Voltage Maximum	GG	8726	Float	4	R W	Volt	0 - 10
Analog Input 3 Protection	alarm config	GG	8728	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 3 Protection	Hysteresis	GG	8730	Float	4	R W	Percent	0 - 100
Analog Input 3 Protection	Arming Delay	GG	8732	Float	4	R W	Second	0 - 300
Analog Input 3 Protection	Threshold 1 Pickup	GG	8734	Float	4	R W	n/a	-999999 - 999999
Analog Input 3 Protection	Threshold 1 Activation Delay	GG	8736	Float	4	R W	Second	0 - 300
Analog Input 3 Protection	Threshold 1 Alarm Configuration	GG	8738	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 3 Protection	Threshold 2 Pickup	GG	8740	Float	4	R W	n/a	-999999 - 999999
Analog Input 3 Protection	Threshold 2 Activation Delay	GG	8742	Float	4	R W	Second	0 - 300
Analog Input 3 Protection	Threshold 2 Alarm Configuration	GG	8744	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 3 Protection	Threshold 3 Pickup	GG	8746	Float	4	R W	n/a	-999999 - 999999
Analog Input 3 Protection	Threshold 3 Activation Delay	GG	8748	Float	4	R W	Second	0 - 300
Analog Input 3 Protection	Threshold 3 Alarm Configuration	GG	8750	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Analog Input 3 Protection	Threshold 4 Pickup	GG	8752	Float	4	R W	n/a	-999999 - 999999
Analog Input 3 Protection	Threshold 4 Activation Delay	GG	8754	Float	4	R W	Second	0 - 300
Analog Input 3 Protection	Threshold 4 Alarm Configuration	GG	8756	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 4 Protection	Parameter Minimum	GG	8758	Float	4	R W	n/a	-999999 - 999999
Analog Input 4 Protection	Parameter Maximum	GG	8760	Float	4	R W	n/a	-999999 - 999999
Analog Input 4 Protection	Current Minimum	GG	8762	Float	4	R W	Milliamp	4 - 20
Analog Input 4 Protection	Current Maximum	GG	8764	Float	4	R W	Milliamp	4 - 20
Analog Input 4 Protection	Voltage Minimum	GG	8766	Float	4	R W	Volt	0 - 10
Analog Input 4 Protection	Voltage Maximum	GG	8768	Float	4	R W	Volt	0 - 10
Analog Input 4 Protection	alarm config	GG	8770	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 4 Protection	Hysteresis	GG	8772	Float	4	R W	Percent	0 - 100
Analog Input 4 Protection	Arming Delay	GG	8774	Float	4	R W	Second	0 - 300
Analog Input 4 Protection	Threshold 1 Pickup	GG	8776	Float	4	R W	n/a	-999999 - 999999
Analog Input 4 Protection	Threshold 1 Activation Delay	GG	8778	Float	4	R W	Second	0 - 300
Analog Input 4 Protection	Threshold 1 Alarm Configuration	GG	8780	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 4 Protection	Threshold 2 Pickup	GG	8782	Float	4	R W	n/a	-999999 - 999999
Analog Input 4 Protection	Threshold 2 Activation Delay	GG	8784	Float	4	R W	Second	0 - 300
Analog Input 4 Protection	Threshold 2 Alarm Configuration	GG	8786	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 4 Protection	Threshold 3 Pickup	GG	8788	Float	4	R W	n/a	-999999 - 999999
Analog Input 4 Protection	Threshold 3 Activation Delay	GG	8790	Float	4	R W	Second	0 - 300
Analog Input 4 Protection	Threshold 3 Alarm Configuration	GG	8792	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Analog Input 4 Protection	Threshold 4 Pickup	GG	8794	Float	4	R W	n/a	-999999 - 999999
Analog Input 4 Protection	Threshold 4 Activation Delay	GG	8796	Float	4	R W	Second	0 - 300
Analog Input 4 Protection	Threshold 4 Alarm Configuration	GG	8798	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2

Metering

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
ECU Metering	ECU Lamp Status Data	GG	10000	UInt32	4	R	n/a	Bit 0 = Protect Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Warning Bit 4 = Stop Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Malfunction Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Not Used Bit 29 = Not Used Bit 30 = Not Used Bit 31 = Not Used
ECU Metering	DTC Count Data	GG	10002	UInt32	4	R	n/a	Active stored in upper byte, Previous stored in lower byte
ECU Metering	CAN Coolant Level	GG	10004	UInt32	4	R	n/a	Percent
Reserved			10006-7					
Gen Voltage Meter Mag 1	VA	GG	10008	Float	4	R	Volt	0 - 2000000000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Gen Voltage Meter Mag 1	VB	GG	10010	Float	4	R	Volt	0 - 2000000000
Gen Voltage Meter Mag 1	VC	GG	10012	Float	4	R	Volt	0 - 2000000000
Gen Voltage Meter Mag 1	VAB	GG	10014	Float	4	R	Volt	0 - 2000000000
Gen Voltage Meter Mag 1	VBC	GG	10016	Float	4	R	Volt	0 - 2000000000
Gen Voltage Meter Mag 1	VCA	GG	10018	Float	4	R	Volt	0 - 2000000000
Gen Voltage Meter Mag 1	V2L	GG	10020	Float	4	R	Volt	0 - 2000000000
Gen Voltage Meter Mag 1	VA VG LL	GG	10022	Float	4	R	Volt	0 - 2000000000
Gen Voltage Meter Pri 1	VA	GG	10024	Float	4	R	Volt	0 - 2000000000
Gen Voltage Meter Pri 1	VB	GG	10026	Float	4	R	Volt	0 - 2000000000
Gen Voltage Meter Pri 1	VC	GG	10028	Float	4	R	Volt	0 - 2000000000
Gen Voltage Meter Pri 1	VAB	GG	10030	Float	4	R	Volt	0 - 2000000000
Gen Voltage Meter Pri 1	VBC	GG	10032	Float	4	R	Volt	0 - 2000000000
Gen Voltage Meter Pri 1	VCA	GG	10034	Float	4	R	Volt	0 - 2000000000
Gen Voltage Meter Pri 1	V2L	GG	10036	Float	4	R	Volt	0 - 2000000000
Gen Voltage Meter Pri 1	VA VG LL	GG	10038	Float	4	R	Volt	0 - 2000000000
Gen Voltage Meter Ang 1	VA	GG	10040	Float	4	R	Degree	0 - 360
Gen Voltage Meter Ang 1	VB	GG	10042	Float	4	R	Degree	0 - 360
Gen Voltage Meter Ang 1	VC	GG	10044	Float	4	R	Degree	0 - 360
Gen Voltage Meter Ang 1	VAB	GG	10046	Float	4	R	Degree	0 - 360
Gen Voltage Meter Ang 1	VBC	GG	10048	Float	4	R	Degree	0 - 360
Gen Voltage Meter Ang 1	VCA	GG	10050	Float	4	R	Degree	0 - 360
Bus 1 Voltage Meter Mag	VA	GG	10052	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Mag	VB	GG	10054	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Mag	VC	GG	10056	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Mag	VAB	GG	10058	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Mag	VBC	GG	10060	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Mag	VCA	GG	10062	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Mag	V2L	GG	10064	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Mag	VA VG LL	GG	10066	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Pri	VA	GG	10068	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Pri	VB	GG	10070	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Pri	VC	GG	10072	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Pri	VAB	GG	10074	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Pri	VBC	GG	10076	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Pri	VCA	GG	10078	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Pri	V2L	GG	10080	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Pri	VA VG LL	GG	10082	Float	4	R	Volt	0 - 2000000000
Bus 1 Voltage Meter Ang	VA	GG	10084	Float	4	R	Degree	0 - 360
Bus 1 Voltage Meter Ang	VB	GG	10086	Float	4	R	Degree	0 - 360
Bus 1 Voltage Meter Ang	VC	GG	10088	Float	4	R	Degree	0 - 360
Bus 1 Voltage Meter Ang	VAB	GG	10090	Float	4	R	Degree	0 - 360
Bus 1 Voltage Meter Ang	VBC	GG	10092	Float	4	R	Degree	0 - 360
Bus 1 Voltage Meter Ang	VCA	GG	10094	Float	4	R	Degree	0 - 360
Bus 2 Voltage Meter Mag	VA	GG	10096	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Mag	VB	GG	10098	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Mag	VC	GG	10100	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Mag	VAB	GG	10102	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Mag	VBC	GG	10104	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Mag	VCA	GG	10106	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Mag	V2L	GG	10108	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Mag	VA VG LL	GG	10110	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Pri	VA	GG	10112	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Pri	VB	GG	10114	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Pri	VC	GG	10116	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Pri	VAB	GG	10118	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Pri	VBC	GG	10120	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Pri	VCA	GG	10122	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Pri	V2L	GG	10124	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Pri	VA VG LL	GG	10126	Float	4	R	Volt	0 - 2000000000
Bus 2 Voltage Meter Ang	VA	GG	10128	Float	4	R	Degree	0 - 360
Bus 2 Voltage Meter Ang	VB	GG	10130	Float	4	R	Degree	0 - 360
Bus 2 Voltage Meter Ang	VC	GG	10132	Float	4	R	Degree	0 - 360
Bus 2 Voltage Meter Ang	VAB	GG	10134	Float	4	R	Degree	0 - 360
Bus 2 Voltage Meter Ang	VBC	GG	10136	Float	4	R	Degree	0 - 360
Bus 2 Voltage Meter Ang	VCA	GG	10138	Float	4	R	Degree	0 - 360
Gen Current Meter Mag 1	IA	GG	10140	Float	4	R	Amp	0 - 2000000000
Gen Current Meter Mag 1	IB	GG	10142	Float	4	R	Amp	0 - 2000000000
Gen Current Meter Mag 1	IC	GG	10144	Float	4	R	Amp	0 - 2000000000
Gen Current Meter Mag 1	I1	GG	10146	Float	4	R	Amp	0 - 2000000000
Gen Current Meter Mag 1	I2	GG	10148	Float	4	R	Amp	0 - 2000000000
Gen Current Meter Mag 1	3I0	GG	10150	Float	4	R	Amp	0 - 2000000000
Gen Current Meter Mag 1	IAVG	GG	10152	Float	4	R	Amp	0 - 2000000000
Gen Current Meter Pri 1	IA	GG	10154	Float	4	R	Amp	0 - 2000000000
Gen Current Meter Pri 1	IB	GG	10156	Float	4	R	Amp	0 - 2000000000
Gen Current Meter Pri 1	IC	GG	10158	Float	4	R	Amp	0 - 2000000000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Gen Current Meter Pri 1	I1	GG	10160	Float	4	R	Amp	0 - 2000000000
Gen Current Meter Pri 1	I2	GG	10162	Float	4	R	Amp	0 - 2000000000
Gen Current Meter Pri 1	3I0	GG	10164	Float	4	R	Amp	0 - 2000000000
Gen Current Meter Pri 1	I AVG	GG	10166	Float	4	R	Amp	0 - 2000000000
Gen Current Meter Ang 1	IA	GG	10168	Float	4	R	Degree	0 - 360
Gen Current Meter Ang 1	IB	GG	10170	Float	4	R	Degree	0 - 360
Gen Current Meter Ang 1	IC	GG	10172	Float	4	R	Degree	0 - 360
Bus 1 Current Meter Mag	IA	GG	10174	Float	4	R	Amp	0 - 2000000000
Bus 1 Current Meter Mag	IB	GG	10176	Float	4	R	Amp	0 - 2000000000
Bus 1 Current Meter Mag	IC	GG	10178	Float	4	R	Amp	0 - 2000000000
Bus 1 Current Meter Mag	I1	GG	10180	Float	4	R	Amp	0 - 2000000000
Bus 1 Current Meter Mag	I2	GG	10182	Float	4	R	Amp	0 - 2000000000
Bus 1 Current Meter Mag	3I0	GG	10184	Float	4	R	Amp	0 - 2000000000
Bus 1 Current Meter Mag	I AVG	GG	10186	Float	4	R	Amp	0 - 2000000000
Bus 1 Current Meter Pri	IA	GG	10188	Float	4	R	Amp	0 - 2000000000
Bus 1 Current Meter Pri	IB	GG	10190	Float	4	R	Amp	0 - 2000000000
Bus 1 Current Meter Pri	IC	GG	10192	Float	4	R	Amp	0 - 2000000000
Bus 1 Current Meter Pri	I1	GG	10194	Float	4	R	Amp	0 - 2000000000
Bus 1 Current Meter Pri	I2	GG	10196	Float	4	R	Amp	0 - 2000000000
Bus 1 Current Meter Pri	3I0	GG	10198	Float	4	R	Amp	0 - 2000000000
Bus 1 Current Meter Pri	I AVG	GG	10200	Float	4	R	Amp	0 - 2000000000
Bus 1 Current Meter Ang	IA	GG	10202	Float	4	R	Degree	0 - 360
Bus 1 Current Meter Ang	IB	GG	10204	Float	4	R	Degree	0 - 360
Bus 1 Current Meter Ang	IC	GG	10206	Float	4	R	Degree	0 - 360
Bus 2 Current Meter Mag	IA	GG	10208	Float	4	R	Amp	0 - 2000000000
Bus 2 Current Meter Mag	IB	GG	10210	Float	4	R	Amp	0 - 2000000000
Bus 2 Current Meter Mag	IC	GG	10212	Float	4	R	Amp	0 - 2000000000
Bus 2 Current Meter Mag	I1	GG	10214	Float	4	R	Amp	0 - 2000000000
Bus 2 Current Meter Mag	I2	GG	10216	Float	4	R	Amp	0 - 2000000000
Bus 2 Current Meter Mag	3I0	GG	10218	Float	4	R	Amp	0 - 2000000000
Bus 2 Current Meter Mag	I AVG	GG	10220	Float	4	R	Amp	0 - 2000000000
Bus 2 Current Meter Pri	IA	GG	10222	Float	4	R	Amp	0 - 2000000000
Bus 2 Current Meter Pri	IB	GG	10224	Float	4	R	Amp	0 - 2000000000
Bus 2 Current Meter Pri	IC	GG	10226	Float	4	R	Amp	0 - 2000000000
Bus 2 Current Meter Pri	I1	GG	10228	Float	4	R	Amp	0 - 2000000000
Bus 2 Current Meter Pri	I2	GG	10230	Float	4	R	Amp	0 - 2000000000
Bus 2 Current Meter Pri	3I0	GG	10232	Float	4	R	Amp	0 - 2000000000
Bus 2 Current Meter Pri	I AVG	GG	10234	Float	4	R	Amp	0 - 2000000000
Bus 2 Current Meter Ang	IA	GG	10236	Float	4	R	Degree	0 - 360
Bus 2 Current Meter Ang	IB	GG	10238	Float	4	R	Degree	0 - 360
Bus 2 Current Meter Ang	IC	GG	10240	Float	4	R	Degree	0 - 360
Icc Current Meter Mag 1	IX	GG	10242	Float	4	R	Amp	0 - 2000000000
Icc Current Meter Pri 1	IX	GG	10244	Float	4	R	Amp	0 - 2000000000
Icc Current Meter Ang 1	IX	GG	10246	Float	4	R	Degree	0 - 360
Power Meter	Watt A Primary Average	GG	10248	Float	4	R	Watt	0 - 3.00E+14
Power Meter	Watt B Primary Average	GG	10250	Float	4	R	Watt	0 - 3.00E+14
Power Meter	Watt C Primary Average	GG	10252	Float	4	R	Watt	0 - 3.00E+14
Power Meter	Total Watts Primary Average	GG	10254	Float	4	R	Watt	0 - 3.00E+14
Power Meter	var A Primary Average	GG	10256	Float	4	R	var	0 - 3.00E+14
Power Meter	var B Primary Average	GG	10258	Float	4	R	var	0 - 3.00E+14
Power Meter	var C Primary Average	GG	10260	Float	4	R	var	0 - 3.00E+14
Power Meter	Total vars Primary Average	GG	10262	Float	4	R	var	0 - 3.00E+14
Power Meter	S A Primary Average	GG	10264	Float	4	R	VA	0 - 3.00E+14
Power Meter	S B Primary Average	GG	10266	Float	4	R	VA	0 - 3.00E+14
Power Meter	S C Primary Average	GG	10268	Float	4	R	VA	0 - 3.00E+14
Power Meter	Total S Primary Average	GG	10270	Float	4	R	VA	0 - 3.00E+14
Power Meter	PF A Primary Average	GG	10272	Float	4	R	Power Factor	-1 - 1
Power Meter	PF B Primary Average	GG	10274	Float	4	R	Power Factor	-1 - 1
Power Meter	PF C Primary Average	GG	10276	Float	4	R	Power Factor	-1 - 1
Power Meter	Total PF Primary Average	GG	10278	Float	4	R	Power Factor	-1 - 1
Power Meter 2	Watt A Primary Average	GG	10280	Float	4	R	Watt	0 - 3.00E+14
Power Meter 2	Watt B Primary Average	GG	10282	Float	4	R	Watt	0 - 3.00E+14
Power Meter 2	Watt C Primary Average	GG	10284	Float	4	R	Watt	0 - 3.00E+14
Power Meter 2	Total Watts Primary Average	GG	10286	Float	4	R	Watt	0 - 3.00E+14
Power Meter 2	var A Primary Average	GG	10288	Float	4	R	var	0 - 3.00E+14
Power Meter 2	var B Primary Average	GG	10290	Float	4	R	var	0 - 3.00E+14
Power Meter 2	var C Primary Average	GG	10292	Float	4	R	var	0 - 3.00E+14
Power Meter 2	Total vars Primary Average	GG	10294	Float	4	R	var	0 - 3.00E+14

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Power Meter 2	S A Primary Average	GG	10296	Float	4	R	VA	0 - 3.00E+14
Power Meter 2	S B Primary Average	GG	10298	Float	4	R	VA	0 - 3.00E+14
Power Meter 2	S C Primary Average	GG	10300	Float	4	R	VA	0 - 3.00E+14
Power Meter 2	Total S Primary Average	GG	10302	Float	4	R	VA	0 - 3.00E+14
Power Meter 2	PF A Primary Average	GG	10304	Float	4	R	Power Factor	-1 - 1
Power Meter 2	PF B Primary Average	GG	10306	Float	4	R	Power Factor	-1 - 1
Power Meter 2	PF C Primary Average	GG	10308	Float	4	R	Power Factor	-1 - 1
Power Meter 2	Total PF Primary Average	GG	10310	Float	4	R	Power Factor	-1 - 1
Power Meter 3	Watt A Primary Average	GG	10312	Float	4	R	Watt	0 - 3.00E+14
Power Meter 3	Watt B Primary Average	GG	10314	Float	4	R	Watt	0 - 3.00E+14
Power Meter 3	Watt C Primary Average	GG	10316	Float	4	R	Watt	0 - 3.00E+14
Power Meter 3	Total Watts Primary Average	GG	10318	Float	4	R	Watt	0 - 3.00E+14
Power Meter 3	var A Primary Average	GG	10320	Float	4	R	var	0 - 3.00E+14
Power Meter 3	var B Primary Average	GG	10322	Float	4	R	var	0 - 3.00E+14
Power Meter 3	var C Primary Average	GG	10324	Float	4	R	var	0 - 3.00E+14
Power Meter 3	Total vars Primary Average	GG	10326	Float	4	R	var	0 - 3.00E+14
Power Meter 3	S A Primary Average	GG	10328	Float	4	R	VA	0 - 3.00E+14
Power Meter 3	S B Primary Average	GG	10330	Float	4	R	VA	0 - 3.00E+14
Power Meter 3	S C Primary Average	GG	10332	Float	4	R	VA	0 - 3.00E+14
Power Meter 3	Total S Primary Average	GG	10334	Float	4	R	VA	0 - 3.00E+14
Power Meter 3	PF A Primary Average	GG	10336	Float	4	R	Power Factor	-1 - 1
Power Meter 3	PF B Primary Average	GG	10338	Float	4	R	Power Factor	-1 - 1
Power Meter 3	PF C Primary Average	GG	10340	Float	4	R	Power Factor	-1 - 1
Power Meter 3	Total PF Primary Average	GG	10342	Float	4	R	Power Factor	-1 - 1
Energy Meter	Positive Watthour Total	GG	10344	Float	4	R W	Watthour	0.00E+00 - 1.00E+12
Energy Meter	Positive varhour Total	GG	10346	Float	4	R W	varhour	0.00E+00 - 1.00E+12
Energy Meter	Negative Watthour Total	GG	10348	Float	4	R W	Watthour	-1.00E+12 - 0.00E+00
Energy Meter	Negative varhour Total	GG	10350	Float	4	R W	varhour	-1.00E+12 - 0.00E+00
Energy Meter	VA Hour Total	GG	10352	Float	4	R W	varhour	0.00E+00 - 1.00E+12
Energy Meter 2	Positive Watthour Total	GG	10354	Float	4	R W	Watthour	0.00E+00 - 1.00E+12
Energy Meter 2	Positive varhour Total	GG	10356	Float	4	R W	varhour	0.00E+00 - 1.00E+12
Energy Meter 2	Negative Watthour Total	GG	10358	Float	4	R W	Watthour	-1.00E+12 - 0.00E+00
Energy Meter 2	Negative varhour Total	GG	10360	Float	4	R W	varhour	-1.00E+12 - 0.00E+00
Energy Meter 2	VA Hour Total	GG	10362	Float	4	R W	varhour	0.00E+00 - 1.00E+12
Energy Meter 3	Positive Watthour Total	GG	10364	Float	4	R W	Watthour	0.00E+00 - 1.00E+12
Energy Meter 3	Positive varhour Total	GG	10366	Float	4	R W	varhour	0.00E+00 - 1.00E+12
Energy Meter 3	Negative Watthour Total	GG	10368	Float	4	R W	Watthour	-1.00E+12 - 0.00E+00
Energy Meter 3	Negative varhour Total	GG	10370	Float	4	R W	varhour	-1.00E+12 - 0.00E+00
Energy Meter 3	VA Hour Total	GG	10372	Float	4	R W	varhour	0.00E+00 - 1.00E+12
Sync Meter 1	Slip Angle	GG	10374	Float	4	R	Degree	-359.9 - 359.9
Sync Meter 1	Slip Freq	GG	10376	Float	4	R	Hertz	n/a
Sync Meter 1	Voltage Difference	GG	10378	Float	4	R	Volt	n/a
Gen Frequency Meter 1	Frequency	GG	10380	Float	4	R	Hertz	10 - 180
Bus 1 Frequency Meter	Frequency	GG	10382	Float	4	R	Hertz	10 - 180
Bus 2 Frequency Meter	Frequency	GG	10384	Float	4	R	Hertz	10 - 180
Aux Input Voltage 1	Value	GG	10386	Float	4	R	Volt	-9999999 - 9999999
Battery Voltage 1	Value	GG	10388	Float	4	R	Volt	-9999999 - 9999999
Independent Meter 1	Oil Pressure	GG	10390	Float	4	R	PSI	n/a
Independent Meter 1	Coolant Temperature	GG	10392	Float	4	R	Deg F	n/a
Independent Meter 1	Fuel Level	GG	10394	Float	4	R	Percent	n/a
Independent Meter 1	Engine Speed RPM	GG	10396	Float	4	R	RPM	n/a
Independent Meter 1	Gen Seq Start Level 1 PU	GG	10398	Float	4	R	n/a	n/a
Independent Meter 1	Gen Seq Start Level 1 Timeout	GG	10400	Float	4	R	Second	n/a
Independent Meter 1	Gen Seq Start Level 1 Time Delay	GG	10402	Float	4	R	Second	n/a
IndependentMeter1	Gen Seq Start Level 2 PU	GG	10404	Float	4	R	n/a	n/a
Independent Meter 1	Gen Seq Start Level 2 Timeout	GG	10406	Float	4	R	Second	n/a
Independent Meter 1	Gen Seq Start Level 2 Time Delay	GG	10408	Float	4	R	Second	n/a
Independent Meter 1	Gen Seq Stop Level PU	GG	10410	Float	4	R	n/a	n/a
Independent Meter 1	Gen Seq Stop Level Timeout	GG	10412	Float	4	R	Second	n/a

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Independent Meter 1	Gen Seq Stop Level Time Delay	GG	10414	Float	4	R	Second	n/a
Independent Meter 1	Gen Seq Seq ID	GG	10416	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Next to Start	GG	10418	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Next to Stop	GG	10420	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Watt Load PU	GG	10422	Float	4	R	n/a	n/a
Independent Meter 1	Gen Seq var Load PU	GG	10424	Float	4	R	n/a	n/a
Independent Meter 1	Gen Seq DSS Mode	GG	10426	UInt32	4	R	n/a	Disabled=0 PU Load=1 Spinning Reserve=2
Independent Meter 1	Gen Seq Seq Mode	GG	10428	UInt32	4	R	n/a	Disabled=50 Staggered=51 Balanced=52 Large Size=53 Small Size=54 Small ID=55 Adopt System Mode=56 Uninitialized=99
Independent Meter 1	Gen Seq Network Sys Manager	GG	10430	UInt32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network Num Units	GG	10432	UInt32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network Num Units Online	GG	10434	Float	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network kW Capacity	GG	10436	Float	4	R	kW	0 - 3.00E+14
Independent Meter 1	Gen Seq Network kvar Capacity	GG	10438	Float	4	R	kvar	0 - 3.00E+14
Independent Meter 1	Gen Seq Network Total kW	GG	10440	Float	4	R	kW	0 - 3.00E+14
Independent Meter 1	Gen Seq Network Total kvar	GG	10442	Float	4	R	kvar	0 - 3.00E+14
Independent Meter 1	Gen Seq Network ID 1	GG	10444	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 2	GG	10446	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 3	GG	10448	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 4	GG	10450	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 5	GG	10452	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 6	GG	10454	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 7	GG	10456	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 8	GG	10458	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 9	GG	10460	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 10	GG	10462	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 11	GG	10464	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 12	GG	10466	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 13	GG	10468	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 14	GG	10470	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 15	GG	10472	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 16	GG	10474	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 17	GG	10476	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 18	GG	10478	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 19	GG	10480	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 20	GG	10482	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 21	GG	10484	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 22	GG	10486	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 23	GG	10488	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 24	GG	10490	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 25	GG	10492	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 26	GG	10494	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 27	GG	10496	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 28	GG	10498	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 29	GG	10500	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 30	GG	10502	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 31	GG	10504	Int32	4	R	n/a	n/a
Independent Meter 1	Gen Seq Network ID 32	GG	10506	Int32	4	R	n/a	n/a
Independent Meter 1	Reserve Available	GG	10508	Float	4	R	kW	0 - 3.00E+14
Independent Meter 1	Adjusted Reserve Available	GG	10510	Float	4	R	kW	0 - 3.00E+14
Independent Meter 1	Reserve Capacity 1	GG	10512	Float	4	R	kW	0 - 3.00E+14
Independent Meter 1	Reserve Capacity 2	GG	10514	Float	4	R	kW	0 - 3.00E+14
Independent Meter 1	Reserve Hysteresis	GG	10516	Float	4	R	kW	0 - 3.00E+14
Independent Meter 1	Gen Operating Connection	GG	10518	Int32	4	R		Delta=7 Wye=8 1 Phase AB=0 1 Phase AC=2 Grounded Delta=9
Independent Meter 1	Gen Max Vector Shift	GG	10520	Float	4	R	Degree	0 - 360
Independent Meter 1	Gen Max ROCOF	GG	10522	Float	4	R	Hertz	-9999 - 9999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Independent Meter 1	Gen ROCOF	GG	10524	Float	4	R	Hertz	-9999 - 9999
Independent Meter 1	Bus 1 Operating Connection	GG	10526	Int32	4	R		Delta=7 Wye=8 1 Phase AB=0 1 Phase AC=2 Grounded Delta=9
Independent Meter 1	Bus 1 Max Vector Shift	GG	10528	Float	4	R	Degree	0 - 360
Independent Meter 1	Bus 1 Max ROCOF	GG	10530	Float	4	R	Hertz	-9999 - 9999
Independent Meter 1	Bus 1 ROCOF	GG	10532	Float	4	R	Hertz	-9999 - 9999
Independent Meter 1	Bus 2 Operating Connection	GG	10534	Int32	4	R		Delta=7 Wye=8 1 Phase AB=0 1 Phase AC=2 Grounded Delta=9
Independent Meter 1	Bus 2 Max Vector Shift	GG	10536	Float	4	R	Degree	0 - 360
Independent Meter 1	Bus 2 Max ROCOF	GG	10538	Float	4	R	Hertz	-9999 - 9999
Independent Meter 1	Bus 2 ROCOF	GG	10540	Float	4	R	Hertz	-9999 - 9999
Independent Meter 1	Engine Load	GG	10542	Float	4	R	Percent	n/a
Independent Meter 1	Coolant Level	GG	10544	Float	4	R	Percent	n/a
Independent Meter 1	Active Speed Source	GG	10546	Uint32	4	R		NA=0 MPU=1 Gen Freq=2 CANBus=4
Independent Meter 1	Voltage Bias Output	GG	10548	Float	4	R	n/a	n/a
Independent Meter 1	Speed Bias Output	GG	10550	Float	4	R	n/a	n/a
Independent Meter 1	Demand per Unit	GG	10552	Float	4	R	n/a	n/a
Independent Meter 1	Auxiliary Voltage Input	GG	10554	Float	4	R	Volt	n/a
Independent Meter 1	Auxiliary Current Input	GG	10556	Float	4	R	Milliamp	n/a
IG Current Meter Mag 1	IX	GG	10558	Float	4	R	Amp	0 - 2000000000
IG Current Meter Pri 1	IX	GG	10560	Float	4	R	Amp	0 - 2000000000
IG Current Meter Ang 1	IX	GG	10562	Float	4	R	Degree	0 - 360
AVR Output Meter 1	Raw	GG	10564	Float	4	R	Volt	n/a
AVR Output Meter 1	Scaled	GG	10566	Float	4	R	n/a	n/a
GOV Output Meter 1	Raw	GG	10568	Float	4	R	Volt	n/a
GOV Output Meter 1	Scaled	GG	10570	Float	4	R	n/a	n/a
LS Output Meter 1	Raw	GG	10572	Float	4	R	Volt	n/a
LS Output Meter 1	Scaled	GG	10574	Float	4	R	n/a	n/a
Load Share Line Volt Meter 1	VX	GG	10576	Float	4	R	Volt	-1000 - 1000
AEM 1 Metering	Analog Input 1 Raw Value	GG	10578	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Input 2 Raw Value	GG	10580	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Input 3 Raw Value	GG	10582	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Input 4 Raw Value	GG	10584	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Input 5 Raw Value	GG	10586	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Input 6 Raw Value	GG	10588	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Input 7 Raw Value	GG	10590	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Input 8 Raw Value	GG	10592	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Input 1 Scaled Value	GG	10594	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Input 2 Scaled Value	GG	10596	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Input 3 Scaled Value	GG	10598	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Input 4 Scaled Value	GG	10600	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Input 5 Scaled Value	GG	10602	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Input 6 Scaled Value	GG	10604	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Input 7 Scaled Value	GG	10606	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Input 8 Scaled Value	GG	10608	Float	4	R	n/a	n/a
AEM 1 Metering	RTD Input 1 Raw Value	GG	10610	Float	4	R	Ohm	n/a
AEM 1 Metering	RTD Input 2 Raw Value	GG	10612	Float	4	R	Ohm	n/a
AEM 1 Metering	RTD Input 3 Raw Value	GG	10614	Float	4	R	Ohm	n/a
AEM 1 Metering	RTD Input 4 Raw Value	GG	10616	Float	4	R	Ohm	n/a
AEM 1 Metering	RTD Input 5 Raw Value	GG	10618	Float	4	R	Ohm	n/a
AEM 1 Metering	RTD Input 6 Raw Value	GG	10620	Float	4	R	Ohm	n/a
AEM 1 Metering	RTD Input 7 Raw Value	GG	10622	Float	4	R	Ohm	n/a

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 1 Metering	RTD Input 8 Raw Value	GG	10624	Float	4	R	Ohm	n/a
AEM 1 Metering	RTD Input 1 Scaled Value	GG	10626	Float	4	R	Deg F	n/a
AEM 1 Metering	RTD Input 2 Scaled Value	GG	10628	Float	4	R	Deg F	n/a
AEM 1 Metering	RTD Input 3 Scaled Value	GG	10630	Float	4	R	Deg F	n/a
AEM 1 Metering	RTD Input 4 Scaled Value	GG	10632	Float	4	R	Deg F	n/a
AEM 1 Metering	RTD Input 5 Scaled Value	GG	10634	Float	4	R	Deg F	n/a
AEM 1 Metering	RTD Input 6 Scaled Value	GG	10636	Float	4	R	Deg F	n/a
AEM 1 Metering	RTD Input 7 Scaled Value	GG	10638	Float	4	R	Deg F	n/a
AEM 1 Metering	RTD Input 8 Scaled Value	GG	10640	Float	4	R	Deg F	n/a
AEM 1 Metering	Thermal Input 1 Raw Value	GG	10642	Float	4	R	Millivolt	n/a
AEM 1 Metering	Thermal Input 2 Raw Value	GG	10644	Float	4	R	Millivolt	n/a
AEM 1 Metering	Analog Output 1 Raw Value	GG	10646	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Output 2 Raw Value	GG	10648	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Output 3 Raw Value	GG	10650	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Output 4 Raw Value	GG	10652	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Output 1 Scaled Value	GG	10654	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Output 2 Scaled Value	GG	10656	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Output 3 Scaled Value	GG	10658	Float	4	R	n/a	n/a
AEM 1 Metering	Analog Output 4 Scaled Value	GG	10660	Float	4	R	n/a	n/a
AEM 1 Metering	Thermal Input 1 Scaled Value	GG	10662	Float	4	R	Deg F	n/a
AEM 1 Metering	Thermal Input 2 Scaled Value	GG	10664	Float	4	R	Deg F	n/a
AEM 2 Metering	Analog Input 1 Raw Value	GG	10666	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Input 2 Raw Value	GG	10668	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Input 3 Raw Value	GG	10670	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Input 4 Raw Value	GG	10672	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Input 5 Raw Value	GG	10674	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Input 6 Raw Value	GG	10676	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Input 7 Raw Value	GG	10678	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Input 8 Raw Value	GG	10680	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Input 1 Scaled Value	GG	10682	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Input 2 Scaled Value	GG	10684	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Input 3 Scaled Value	GG	10686	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Input 4 Scaled Value	GG	10688	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Input 5 Scaled Value	GG	10690	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Input 6 Scaled Value	GG	10692	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Input 7 Scaled Value	GG	10694	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Input 8 Scaled Value	GG	10696	Float	4	R	n/a	n/a
AEM 2 Metering	RTD Input 1 Raw Value	GG	10698	Float	4	R	Ohm	n/a
AEM 2 Metering	RTD Input 2 Raw Value	GG	10700	Float	4	R	Ohm	n/a
AEM 2 Metering	RTD Input 3 Raw Value	GG	10702	Float	4	R	Ohm	n/a
AEM 2 Metering	RTD Input 4 Raw Value	GG	10704	Float	4	R	Ohm	n/a
AEM 2 Metering	RTD Input 5 Raw Value	GG	10706	Float	4	R	Ohm	n/a

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 2 Metering	RTD Input 6 Raw Value	GG	10708	Float	4	R	Ohm	n/a
AEM 2 Metering	RTD Input 7 Raw Value	GG	10710	Float	4	R	Ohm	n/a
AEM 2 Metering	RTD Input 8 Raw Value	GG	10712	Float	4	R	Ohm	n/a
AEM 2 Metering	RTD Input 1 Scaled Value	GG	10714	Float	4	R	Deg F	n/a
AEM 2 Metering	RTD Input 2 Scaled Value	GG	10716	Float	4	R	Deg F	n/a
AEM 2 Metering	RTD Input 3 Scaled Value	GG	10718	Float	4	R	Deg F	n/a
AEM 2 Metering	RTD Input 4 Scaled Value	GG	10720	Float	4	R	Deg F	n/a
AEM 2 Metering	RTD Input 5 Scaled Value	GG	10722	Float	4	R	Deg F	n/a
AEM 2 Metering	RTD Input 6 Scaled Value	GG	10724	Float	4	R	Deg F	n/a
AEM 2 Metering	RTD Input 7 Scaled Value	GG	10726	Float	4	R	Deg F	n/a
AEM 2 Metering	RTD Input 8 Scaled Value	GG	10728	Float	4	R	Deg F	n/a
AEM 2 Metering	Thermal Input 1 Raw Value	GG	10730	Float	4	R	Millivolt	n/a
AEM 2 Metering	Thermal Input 2 Raw Value	GG	10732	Float	4	R	Millivolt	n/a
AEM 2 Metering	Analog Output 1 Raw Value	GG	10734	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Output 2 Raw Value	GG	10736	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Output 3 Raw Value	GG	10738	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Output 4 Raw Value	GG	10740	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Output 1 Scaled Value	GG	10742	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Output 2 Scaled Value	GG	10744	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Output 3 Scaled Value	GG	10746	Float	4	R	n/a	n/a
AEM 2 Metering	Analog Output 4 Scaled Value	GG	10748	Float	4	R	n/a	n/a
AEM 2 Metering	Thermal Input 1 Scaled Value	GG	10750	Float	4	R	Deg F	n/a
AEM 2 Metering	Thermal Input 2 Scaled Value	GG	10752	Float	4	R	Deg F	n/a
AEM 3 Metering	Analog Input 1 Raw Value	GG	10754	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Input 2 Raw Value	GG	10756	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Input 3 Raw Value	GG	10758	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Input 4 Raw Value	GG	10760	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Input 5 Raw Value	GG	10762	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Input 6 Raw Value	GG	10764	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Input 7 Raw Value	GG	10766	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Input 8 Raw Value	GG	10768	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Input 1 Scaled Value	GG	10770	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Input 2 Scaled Value	GG	10772	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Input 3 Scaled Value	GG	10774	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Input 4 Scaled Value	GG	10776	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Input 5 Scaled Value	GG	10778	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Input 6 Scaled Value	GG	10780	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Input 7 Scaled Value	GG	10782	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Input 8 Scaled Value	GG	10784	Float	4	R	n/a	n/a
AEM 3 Metering	RTD Input 1 Raw Value	GG	10786	Float	4	R	Ohm	n/a
AEM 3 Metering	RTD Input 2 Raw Value	GG	10788	Float	4	R	Ohm	n/a
AEM 3 Metering	RTD Input 3 Raw Value	GG	10790	Float	4	R	Ohm	n/a

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 3 Metering	RTD Input 4 Raw Value	GG	10792	Float	4	R	Ohm	n/a
AEM 3 Metering	RTD Input 5 Raw Value	GG	10794	Float	4	R	Ohm	n/a
AEM 3 Metering	RTD Input 6 Raw Value	GG	10796	Float	4	R	Ohm	n/a
AEM 3 Metering	RTD Input 7 Raw Value	GG	10798	Float	4	R	Ohm	n/a
AEM 3 Metering	RTD Input 8 Raw Value	GG	10800	Float	4	R	Ohm	n/a
AEM 3 Metering	RTD Input 1 Scaled Value	GG	10802	Float	4	R	Deg F	n/a
AEM 3 Metering	RTD Input 2 Scaled Value	GG	10804	Float	4	R	Deg F	n/a
AEM 3 Metering	RTD Input 3 Scaled Value	GG	10806	Float	4	R	Deg F	n/a
AEM 3 Metering	RTD Input 4 Scaled Value	GG	10808	Float	4	R	Deg F	n/a
AEM 3 Metering	RTD Input 5 Scaled Value	GG	10810	Float	4	R	Deg F	n/a
AEM 3 Metering	RTD Input 6 Scaled Value	GG	10812	Float	4	R	Deg F	n/a
AEM 3 Metering	RTD Input 7 Scaled Value	GG	10814	Float	4	R	Deg F	n/a
AEM 3 Metering	RTD Input 8 Scaled Value	GG	10816	Float	4	R	Deg F	n/a
AEM 3 Metering	Thermal Input 1 Raw Value	GG	10818	Float	4	R	Millivolt	n/a
AEM 3 Metering	Thermal Input 2 Raw Value	GG	10820	Float	4	R	Millivolt	n/a
AEM 3 Metering	Analog Output 1 Raw Value	GG	10822	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Output 2 Raw Value	GG	10824	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Output 3 Raw Value	GG	10826	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Output 4 Raw Value	GG	10828	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Output 1 Scaled Value	GG	10830	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Output 2 Scaled Value	GG	10832	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Output 3 Scaled Value	GG	10834	Float	4	R	n/a	n/a
AEM 3 Metering	Analog Output 4 Scaled Value	GG	10836	Float	4	R	n/a	n/a
AEM 3 Metering	Thermal Input 1 Scaled Value	GG	10838	Float	4	R	Deg F	n/a
AEM 3 Metering	Thermal Input 2 Scaled Value	GG	10840	Float	4	R	Deg F	n/a
AEM 4 Metering	Analog Input 1 Raw Value	GG	10842	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Input 2 Raw Value	GG	10844	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Input 3 Raw Value	GG	10846	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Input 4 Raw Value	GG	10848	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Input 5 Raw Value	GG	10850	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Input 6 Raw Value	GG	10852	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Input 7 Raw Value	GG	10854	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Input 8 Raw Value	GG	10856	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Input 1 Scaled Value	GG	10858	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Input 2 Scaled Value	GG	10860	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Input 3 Scaled Value	GG	10862	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Input 4 Scaled Value	GG	10864	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Input 5 Scaled Value	GG	10866	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Input 6 Scaled Value	GG	10868	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Input 7 Scaled Value	GG	10870	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Input 8 Scaled Value	GG	10872	Float	4	R	n/a	n/a
AEM 4 Metering	RTD Input 1 Raw Value	GG	10874	Float	4	R	Ohm	n/a

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
AEM 4 Metering	RTD Input 2 Raw Value	GG	10876	Float	4	R	Ohm	n/a
AEM 4 Metering	RTD Input 3 Raw Value	GG	10878	Float	4	R	Ohm	n/a
AEM 4 Metering	RTD Input 4 Raw Value	GG	10880	Float	4	R	Ohm	n/a
AEM 4 Metering	RTD Input 5 Raw Value	GG	10882	Float	4	R	Ohm	n/a
AEM 4 Metering	RTD Input 6 Raw Value	GG	10884	Float	4	R	Ohm	n/a
AEM 4 Metering	RTD Input 7 Raw Value	GG	10886	Float	4	R	Ohm	n/a
AEM 4 Metering	RTD Input 8 Raw Value	GG	10888	Float	4	R	Ohm	n/a
AEM 4 Metering	RTD Input 1 Scaled Value	GG	10890	Float	4	R	Deg F	n/a
AEM 4 Metering	RTD Input 2 Scaled Value	GG	10892	Float	4	R	Deg F	n/a
AEM 4 Metering	RTD Input 3 Scaled Value	GG	10894	Float	4	R	Deg F	n/a
AEM 4 Metering	RTD Input 4 Scaled Value	GG	10896	Float	4	R	Deg F	n/a
AEM 4 Metering	RTD Input 5 Scaled Value	GG	10898	Float	4	R	Deg F	n/a
AEM 4 Metering	RTD Input 6 Scaled Value	GG	10900	Float	4	R	Deg F	n/a
AEM 4 Metering	RTD Input 7 Scaled Value	GG	10902	Float	4	R	Deg F	n/a
AEM 4 Metering	RTD Input 8 Scaled Value	GG	10904	Float	4	R	Deg F	n/a
AEM 4 Metering	Thermal Input 1 Raw Value	GG	10906	Float	4	R	Millivolt	n/a
AEM 4 Metering	Thermal Input 2 Raw Value	GG	10908	Float	4	R	Millivolt	n/a
AEM 4 Metering	Analog Output 1 Raw Value	GG	10910	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Output 2 Raw Value	GG	10912	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Output 3 Raw Value	GG	10914	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Output 4 Raw Value	GG	10916	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Output 1 Scaled Value	GG	10918	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Output 2 Scaled Value	GG	10920	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Output 3 Scaled Value	GG	10922	Float	4	R	n/a	n/a
AEM 4 Metering	Analog Output 4 Scaled Value	GG	10924	Float	4	R	n/a	n/a
AEM 4 Metering	Thermal Input 1 Scaled Value	GG	10926	Float	4	R	Deg F	n/a
AEM 4 Metering	Thermal Input 2 Scaled Value	GG	10928	Float	4	R	Deg F	n/a

Protection Settings

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
27P-1	Mode	SG0 1P	20000	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-1	Source	SG0 1P	20002	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG0 1P	20004	Float	4	R W	Volt	1 - 576
27P-1	Time Delay	SG0 1P	20006	Float	4	R W	Millisecond	0 - 600000
27P-1	Alarm Configuration	SG0 1P	20008	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-1	Low-Line Scale	SG0 1P	20010	Float	4	R W	n/a	0.001 - 3
27P-1	Frequency Inhibit	SG0 1P	20012	Float	4	R W	Hertz	20 - 90
27P-1	Mode	SG0 3P	20014	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-1	Source	SG0 3P	20016	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG0 3P	20018	Float	4	R W	Volt	1 - 576
27P-1	Time Delay	SG0 3P	20020	Float	4	R W	Millisecond	0 - 600000
27P-1	Alarm Configuration	SG0 3P	20022	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-1	Low-Line Scale	SG0 3P	20024	Float	4	R W	n/a	0.001 - 3
27P-1	Frequency Inhibit	SG0 3P	20026	Float	4	R W	Hertz	20 - 90

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
27P-1	Mode	SG1 1P	20028	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-1	Source	SG1 1P	20030	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG1 1P	20032	Float	4	R W	Volt	1 - 576
27P-1	Time Delay	SG1 1P	20034	Float	4	R W	Millisecond	0 - 600000
27P-1	Alarm Configuration	SG1 1P	20036	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-1	Low-Line Scale	SG1 1P	20038	Float	4	R W	n/a	0.001 - 3
27P-1	Frequency Inhibit	SG1 1P	20040	Float	4	R W	Hertz	20 - 90
27P-1	Mode	SG1 3P	20042	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-1	Source	SG1 3P	20044	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG1 3P	20046	Float	4	R W	Volt	1 - 576
27P-1	Time Delay	SG1 3P	20048	Float	4	R W	Millisecond	0 - 600000
27P-1	Alarm Configuration	SG1 3P	20050	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-1	Low-Line Scale	SG1 3P	20052	Float	4	R W	n/a	0.001 - 3
27P-1	Frequency Inhibit	SG1 3P	20054	Float	4	R W	Hertz	20 - 90
27P-1	Mode	SG2 1P	20056	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-1	Source	SG2 1P	20058	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG2 1P	20060	Float	4	R W	Volt	1 - 576
27P-1	Time Delay	SG2 1P	20062	Float	4	R W	Millisecond	0 - 600000
27P-1	Alarm Configuration	SG2 1P	20064	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-1	Low-Line Scale	SG2 1P	20066	Float	4	R W	n/a	0.001 - 3
27P-1	Frequency Inhibit	SG2 1P	20068	Float	4	R W	Hertz	20 - 90
27P-1	Mode	SG2 3P	20070	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-1	Source	SG2 3P	20072	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG2 3P	20074	Float	4	R W	Volt	1 - 576
27P-1	Time Delay	SG2 3P	20076	Float	4	R W	Millisecond	0 - 600000
27P-1	Alarm Configuration	SG2 3P	20078	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-1	Low-Line Scale	SG2 3P	20080	Float	4	R W	n/a	0.001 - 3
27P-1	Frequency Inhibit	SG2 3P	20082	Float	4	R W	Hertz	20 - 90
27P-1	Mode	SG3 1P	20084	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-1	Source	SG3 1P	20086	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG3 1P	20088	Float	4	R W	Volt	1 - 576
27P-1	Time Delay	SG3 1P	20090	Float	4	R W	Millisecond	0 - 600000
27P-1	Alarm Configuration	SG3 1P	20092	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-1	Low-Line Scale	SG3 1P	20094	Float	4	R W	n/a	0.001 - 3
27P-1	Frequency Inhibit	SG3 1P	20096	Float	4	R W	Hertz	20 - 90
27P-1	Mode	SG3 3P	20098	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-1	Source	SG3 3P	20100	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG3 3P	20102	Float	4	R W	Volt	1 - 576
27P-1	Time Delay	SG3 3P	20104	Float	4	R W	Millisecond	0 - 600000
27P-1	Alarm Configuration	SG3 3P	20106	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-1	Low-Line Scale	SG3 3P	20108	Float	4	R W	n/a	0.001 - 3
27P-1	Frequency Inhibit	SG3 3P	20110	Float	4	R W	Hertz	20 - 90
27P-2	Mode	SG0 1P	20112	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-2	Source	SG0 1P	20114	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG0 1P	20116	Float	4	R W	Volt	1 - 576

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
27P-2	Time Delay	SG0 1P	20118	Float	4	R W	Millisecond	0 - 600000
27P-2	Alarm Configuration	SG0 1P	20120	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-2	Low-Line Scale	SG0 1P	20122	Float	4	R W	n/a	0.001 - 3
27P-2	Frequency Inhibit	SG0 1P	20124	Float	4	R W	Hertz	20 - 90
27P-2	Mode	SG0 3P	20126	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-2	Source	SG0 3P	20128	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG0 3P	20130	Float	4	R W	Volt	1 - 576
27P-2	Time Delay	SG0 3P	20132	Float	4	R W	Millisecond	0 - 600000
27P-2	Alarm Configuration	SG0 3P	20134	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-2	Low-Line Scale	SG0 3P	20136	Float	4	R W	n/a	0.001 - 3
27P-2	Frequency Inhibit	SG0 3P	20138	Float	4	R W	Hertz	20 - 90
27P-2	Mode	SG1 1P	20140	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-2	Source	SG1 1P	20142	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG1 1P	20144	Float	4	R W	Volt	1 - 576
27P-2	Time Delay	SG1 1P	20146	Float	4	R W	Millisecond	0 - 600000
27P-2	Alarm Configuration	SG1 1P	20148	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-2	Low-Line Scale	SG1 1P	20150	Float	4	R W	n/a	0.001 - 3
27P-2	Frequency Inhibit	SG1 1P	20152	Float	4	R W	Hertz	20 - 90
27P-2	Mode	SG1 3P	20154	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-2	Source	SG1 3P	20156	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG1 3P	20158	Float	4	R W	Volt	1 - 576
27P-2	Time Delay	SG1 3P	20160	Float	4	R W	Millisecond	0 - 600000
27P-2	Alarm Configuration	SG1 3P	20162	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-2	Low-Line Scale	SG1 3P	20164	Float	4	R W	n/a	0.001 - 3
27P-2	Frequency Inhibit	SG1 3P	20166	Float	4	R W	Hertz	20 - 90
27P-2	Mode	SG2 1P	20168	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-2	Source	SG2 1P	20170	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG2 1P	20172	Float	4	R W	Volt	1 - 576
27P-2	Time Delay	SG2 1P	20174	Float	4	R W	Millisecond	0 - 600000
27P-2	Alarm Configuration	SG2 1P	20176	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-2	Low-Line Scale	SG2 1P	20178	Float	4	R W	n/a	0.001 - 3
27P-2	Frequency Inhibit	SG2 1P	20180	Float	4	R W	Hertz	20 - 90
27P-2	Mode	SG2 3P	20182	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-2	Source	SG2 3P	20184	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG2 3P	20186	Float	4	R W	Volt	1 - 576
27P-2	Time Delay	SG2 3P	20188	Float	4	R W	Millisecond	0 - 600000
27P-2	Alarm Configuration	SG2 3P	20190	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-2	Low-Line Scale	SG2 3P	20192	Float	4	R W	n/a	0.001 - 3
27P-2	Frequency Inhibit	SG2 3P	20194	Float	4	R W	Hertz	20 - 90
27P-2	Mode	SG3 1P	20196	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-2	Source	SG3 1P	20198	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG3 1P	20200	Float	4	R W	Volt	1 - 576
27P-2	Time Delay	SG3 1P	20202	Float	4	R W	Millisecond	0 - 600000
27P-2	Alarm Configuration	SG3 1P	20204	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-2	Low-Line Scale	SG3 1P	20206	Float	4	R W	n/a	0.001 - 3
27P-2	Frequency Inhibit	SG3 1P	20208	Float	4	R W	Hertz	20 - 90

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
27P-2	Mode	SG3 3P	20210	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-2	Source	SG3 3P	20212	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG3 3P	20214	Float	4	R W	Volt	1 - 576
27P-2	Time Delay	SG3 3P	20216	Float	4	R W	Millisecond	0 - 600000
27P-2	Alarm Configuration	SG3 3P	20218	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-2	Low-Line Scale	SG3 3P	20220	Float	4	R W	n/a	0.001 - 3
27P-2	Frequency Inhibit	SG3 3P	20222	Float	4	R W	Hertz	20 - 90
27P-3	Mode	SG0 1P	20224	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-3	Source	SG0 1P	20226	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG0 1P	20228	Float	4	R W	Volt	1 - 576
27P-3	Time Delay	SG0 1P	20230	Float	4	R W	Millisecond	0 - 600000
27P-3	Alarm Configuration	SG0 1P	20232	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-3	Low-Line Scale	SG0 1P	20234	Float	4	R W	n/a	0.001 - 3
27P-3	Frequency Inhibit	SG0 1P	20236	Float	4	R W	Hertz	20 - 90
27P-3	Mode	SG0 3P	20238	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-3	Source	SG0 3P	20240	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG0 3P	20242	Float	4	R W	Volt	1 - 576
27P-3	Time Delay	SG0 3P	20244	Float	4	R W	Millisecond	0 - 600000
27P-3	Alarm Configuration	SG0 3P	20246	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-3	Low-Line Scale	SG0 3P	20248	Float	4	R W	n/a	0.001 - 3
27P-3	Frequency Inhibit	SG0 3P	20250	Float	4	R W	Hertz	20 - 90
27P-3	Mode	SG1 1P	20252	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-3	Source	SG1 1P	20254	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG1 1P	20256	Float	4	R W	Volt	1 - 576
27P-3	Time Delay	SG1 1P	20258	Float	4	R W	Millisecond	0 - 600000
27P-3	Alarm Configuration	SG1 1P	20260	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-3	Low-Line Scale	SG1 1P	20262	Float	4	R W	n/a	0.001 - 3
27P-3	Frequency Inhibit	SG1 1P	20264	Float	4	R W	Hertz	20 - 90
27P-3	Mode	SG1 3P	20266	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-3	Source	SG1 3P	20268	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG1 3P	20270	Float	4	R W	Volt	1 - 576
27P-3	Time Delay	SG1 3P	20272	Float	4	R W	Millisecond	0 - 600000
27P-3	Alarm Configuration	SG1 3P	20274	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-3	Low-Line Scale	SG1 3P	20276	Float	4	R W	n/a	0.001 - 3
27P-3	Frequency Inhibit	SG1 3P	20278	Float	4	R W	Hertz	20 - 90
27P-3	Mode	SG2 1P	20280	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-3	Source	SG2 1P	20282	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG2 1P	20284	Float	4	R W	Volt	1 - 576
27P-3	Time Delay	SG2 1P	20286	Float	4	R W	Millisecond	0 - 600000
27P-3	Alarm Configuration	SG2 1P	20288	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-3	Low-Line Scale	SG2 1P	20290	Float	4	R W	n/a	0.001 - 3
27P-3	Frequency Inhibit	SG2 1P	20292	Float	4	R W	Hertz	20 - 90
27P-3	Mode	SG2 3P	20294	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-3	Source	SG2 3P	20296	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG2 3P	20298	Float	4	R W	Volt	1 - 576

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
27P-3	Time Delay	SG2 3P	20300	Float	4	R W	Millisecond	0 - 600000
27P-3	Alarm Configuration	SG2 3P	20302	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-3	Low-Line Scale	SG2 3P	20304	Float	4	R W	n/a	0.001 - 3
27P-3	Frequency Inhibit	SG2 3P	20306	Float	4	R W	Hertz	20 - 90
27P-3	Mode	SG3 1P	20308	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-3	Source	SG3 1P	20310	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG3 1P	20312	Float	4	R W	Volt	1 - 576
27P-3	Time Delay	SG3 1P	20314	Float	4	R W	Millisecond	0 - 600000
27P-3	Alarm Configuration	SG3 1P	20316	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-3	Low-Line Scale	SG3 1P	20318	Float	4	R W	n/a	0.001 - 3
27P-3	Frequency Inhibit	SG3 1P	20320	Float	4	R W	Hertz	20 - 90
27P-3	Mode	SG3 3P	20322	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-3	Source	SG3 3P	20324	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG3 3P	20326	Float	4	R W	Volt	1 - 576
27P-3	Time Delay	SG3 3P	20328	Float	4	R W	Millisecond	0 - 600000
27P-3	Alarm Configuration	SG3 3P	20330	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-3	Low-Line Scale	SG3 3P	20332	Float	4	R W	n/a	0.001 - 3
27P-3	Frequency Inhibit	SG3 3P	20334	Float	4	R W	Hertz	20 - 90
27P-4	Mode	SG0 1P	20336	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-4	Source	SG0 1P	20338	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG0 1P	20340	Float	4	R W	Volt	1 - 576
27P-4	Time Delay	SG0 1P	20342	Float	4	R W	Millisecond	0 - 600000
27P-4	Alarm Configuration	SG0 1P	20344	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-4	Low-Line Scale	SG0 1P	20346	Float	4	R W	n/a	0.001 - 3
27P-4	Frequency Inhibit	SG0 1P	20348	Float	4	R W	Hertz	20 - 90
27P-4	Mode	SG0 3P	20350	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-4	Source	SG0 3P	20352	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG0 3P	20354	Float	4	R W	Volt	1 - 576
27P-4	Time Delay	SG0 3P	20356	Float	4	R W	Millisecond	0 - 600000
27P-4	Alarm Configuration	SG0 3P	20358	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-4	Low-Line Scale	SG0 3P	20360	Float	4	R W	n/a	0.001 - 3
27P-4	Frequency Inhibit	SG0 3P	20362	Float	4	R W	Hertz	20 - 90
27P-4	Mode	SG1 1P	20364	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-4	Source	SG1 1P	20366	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG1 1P	20368	Float	4	R W	Volt	1 - 576
27P-4	Time Delay	SG1 1P	20370	Float	4	R W	Millisecond	0 - 600000
27P-4	Alarm Configuration	SG1 1P	20372	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-4	Low-Line Scale	SG1 1P	20374	Float	4	R W	n/a	0.001 - 3
27P-4	Frequency Inhibit	SG1 1P	20376	Float	4	R W	Hertz	20 - 90
27P-4	Mode	SG1 3P	20378	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-4	Source	SG1 3P	20380	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG1 3P	20382	Float	4	R W	Volt	1 - 576
27P-4	Time Delay	SG1 3P	20384	Float	4	R W	Millisecond	0 - 600000
27P-4	Alarm Configuration	SG1 3P	20386	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-4	Low-Line Scale	SG1 3P	20388	Float	4	R W	n/a	0.001 - 3
27P-4	Frequency Inhibit	SG1 3P	20390	Float	4	R W	Hertz	20 - 90

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
27P-4	Mode	SG2 1P	20392	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-4	Source	SG2 1P	20394	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG2 1P	20396	Float	4	R W	Volt	1 - 576
27P-4	Time Delay	SG2 1P	20398	Float	4	R W	Millisecond	0 - 600000
27P-4	Alarm Configuration	SG2 1P	20400	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-4	Low-Line Scale	SG2 1P	20402	Float	4	R W	n/a	0.001 - 3
27P-4	Frequency Inhibit	SG2 1P	20404	Float	4	R W	Hertz	20 - 90
27P-4	Mode	SG2 3P	20406	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-4	Source	SG2 3P	20408	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG2 3P	20410	Float	4	R W	Volt	1 - 576
27P-4	Time Delay	SG2 3P	20412	Float	4	R W	Millisecond	0 - 600000
27P-4	Alarm Configuration	SG2 3P	20414	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-4	Low-Line Scale	SG2 3P	20416	Float	4	R W	n/a	0.001 - 3
27P-4	Frequency Inhibit	SG2 3P	20418	Float	4	R W	Hertz	20 - 90
27P-4	Mode	SG3 1P	20420	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-4	Source	SG3 1P	20422	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG3 1P	20424	Float	4	R W	Volt	1 - 576
27P-4	Time Delay	SG3 1P	20426	Float	4	R W	Millisecond	0 - 600000
27P-4	Alarm Configuration	SG3 1P	20428	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-4	Low-Line Scale	SG3 1P	20430	Float	4	R W	n/a	0.001 - 3
27P-4	Frequency Inhibit	SG3 1P	20432	Float	4	R W	Hertz	20 - 90
27P-4	Mode	SG3 3P	20434	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-4	Source	SG3 3P	20436	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG3 3P	20438	Float	4	R W	Volt	1 - 576
27P-4	Time Delay	SG3 3P	20440	Float	4	R W	Millisecond	0 - 600000
27P-4	Alarm Configuration	SG3 3P	20442	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-4	Low-Line Scale	SG3 3P	20444	Float	4	R W	n/a	0.001 - 3
27P-4	Frequency Inhibit	SG3 3P	20446	Float	4	R W	Hertz	20 - 90
27P-5	Mode	SG0 1P	20448	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-5	Source	SG0 1P	20450	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG0 1P	20452	Float	4	R W	Volt	1 - 576
27P-5	Time Delay	SG0 1P	20454	Float	4	R W	Millisecond	0 - 600000
27P-5	Alarm Configuration	SG0 1P	20456	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-5	Low-Line Scale	SG0 1P	20458	Float	4	R W	n/a	0.001 - 3
27P-5	Frequency Inhibit	SG0 1P	20460	Float	4	R W	Hertz	20 - 90
27P-5	Mode	SG0 3P	20462	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-5	Source	SG0 3P	20464	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG0 3P	20466	Float	4	R W	Volt	1 - 576
27P-5	Time Delay	SG0 3P	20468	Float	4	R W	Millisecond	0 - 600000
27P-5	Alarm Configuration	SG0 3P	20470	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-5	Low-Line Scale	SG0 3P	20472	Float	4	R W	n/a	0.001 - 3
27P-5	Frequency Inhibit	SG0 3P	20474	Float	4	R W	Hertz	20 - 90
27P-5	Mode	SG1 1P	20476	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-5	Source	SG1 1P	20478	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG1 1P	20480	Float	4	R W	Volt	1 - 576

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
27P-5	Time Delay	SG1 1P	20482	Float	4	R W	Millisecond	0 - 600000
27P-5	Alarm Configuration	SG1 1P	20484	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-5	Low-Line Scale	SG1 1P	20486	Float	4	R W	n/a	0.001 - 3
27P-5	Frequency Inhibit	SG1 1P	20488	Float	4	R W	Hertz	20 - 90
27P-5	Mode	SG1 3P	20490	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-5	Source	SG1 3P	20492	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG1 3P	20494	Float	4	R W	Volt	1 - 576
27P-5	Time Delay	SG1 3P	20496	Float	4	R W	Millisecond	0 - 600000
27P-5	Alarm Configuration	SG1 3P	20498	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-5	Low-Line Scale	SG1 3P	20500	Float	4	R W	n/a	0.001 - 3
27P-5	Frequency Inhibit	SG1 3P	20502	Float	4	R W	Hertz	20 - 90
27P-5	Mode	SG2 1P	20504	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-5	Source	SG2 1P	20506	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG2 1P	20508	Float	4	R W	Volt	1 - 576
27P-5	Time Delay	SG2 1P	20510	Float	4	R W	Millisecond	0 - 600000
27P-5	Alarm Configuration	SG2 1P	20512	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-5	Low-Line Scale	SG2 1P	20514	Float	4	R W	n/a	0.001 - 3
27P-5	Frequency Inhibit	SG2 1P	20516	Float	4	R W	Hertz	20 - 90
27P-5	Mode	SG2 3P	20518	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-5	Source	SG2 3P	20520	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG2 3P	20522	Float	4	R W	Volt	1 - 576
27P-5	Time Delay	SG2 3P	20524	Float	4	R W	Millisecond	0 - 600000
27P-5	Alarm Configuration	SG2 3P	20526	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-5	Low-Line Scale	SG2 3P	20528	Float	4	R W	n/a	0.001 - 3
27P-5	Frequency Inhibit	SG2 3P	20530	Float	4	R W	Hertz	20 - 90
27P-5	Mode	SG3 1P	20532	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-5	Source	SG3 1P	20534	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG3 1P	20536	Float	4	R W	Volt	1 - 576
27P-5	Time Delay	SG3 1P	20538	Float	4	R W	Millisecond	0 - 600000
27P-5	Alarm Configuration	SG3 1P	20540	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-5	Low-Line Scale	SG3 1P	20542	Float	4	R W	n/a	0.001 - 3
27P-5	Frequency Inhibit	SG3 1P	20544	Float	4	R W	Hertz	20 - 90
27P-5	Mode	SG3 3P	20546	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-5	Source	SG3 3P	20548	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG3 3P	20550	Float	4	R W	Volt	1 - 576
27P-5	Time Delay	SG3 3P	20552	Float	4	R W	Millisecond	0 - 600000
27P-5	Alarm Configuration	SG3 3P	20554	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-5	Low-Line Scale	SG3 3P	20556	Float	4	R W	n/a	0.001 - 3
27P-5	Frequency Inhibit	SG3 3P	20558	Float	4	R W	Hertz	20 - 90
27P-6	Mode	SG0 1P	20560	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-6	Source	SG0 1P	20562	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG0 1P	20564	Float	4	R W	Volt	1 - 576
27P-6	Time Delay	SG0 1P	20566	Float	4	R W	Millisecond	0 - 600000
27P-6	Alarm Configuration	SG0 1P	20568	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-6	Low-Line Scale	SG0 1P	20570	Float	4	R W	n/a	0.001 - 3
27P-6	Frequency Inhibit	SG0 1P	20572	Float	4	R W	Hertz	20 - 90

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
27P-6	Mode	SG0 3P	20574	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-6	Source	SG0 3P	20576	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG0 3P	20578	Float	4	R W	Volt	1 - 576
27P-6	Time Delay	SG0 3P	20580	Float	4	R W	Millisecond	0 - 600000
27P-6	Alarm Configuration	SG0 3P	20582	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-6	Low-Line Scale	SG0 3P	20584	Float	4	R W	n/a	0.001 - 3
27P-6	Frequency Inhibit	SG0 3P	20586	Float	4	R W	Hertz	20 - 90
27P-6	Mode	SG1 1P	20588	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-6	Source	SG1 1P	20590	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG1 1P	20592	Float	4	R W	Volt	1 - 576
27P-6	Time Delay	SG1 1P	20594	Float	4	R W	Millisecond	0 - 600000
27P-6	Alarm Configuration	SG1 1P	20596	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-6	Low-Line Scale	SG1 1P	20598	Float	4	R W	n/a	0.001 - 3
27P-6	Frequency Inhibit	SG1 1P	20600	Float	4	R W	Hertz	20 - 90
27P-6	Mode	SG1 3P	20602	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-6	Source	SG1 3P	20604	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG1 3P	20606	Float	4	R W	Volt	1 - 576
27P-6	Time Delay	SG1 3P	20608	Float	4	R W	Millisecond	0 - 600000
27P-6	Alarm Configuration	SG1 3P	20610	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-6	Low-Line Scale	SG1 3P	20612	Float	4	R W	n/a	0.001 - 3
27P-6	Frequency Inhibit	SG1 3P	20614	Float	4	R W	Hertz	20 - 90
27P-6	Mode	SG2 1P	20616	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-6	Source	SG2 1P	20618	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG2 1P	20620	Float	4	R W	Volt	1 - 576
27P-6	Time Delay	SG2 1P	20622	Float	4	R W	Millisecond	0 - 600000
27P-6	Alarm Configuration	SG2 1P	20624	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-6	Low-Line Scale	SG2 1P	20626	Float	4	R W	n/a	0.001 - 3
27P-6	Frequency Inhibit	SG2 1P	20628	Float	4	R W	Hertz	20 - 90
27P-6	Mode	SG2 3P	20630	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-6	Source	SG2 3P	20632	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG2 3P	20634	Float	4	R W	Volt	1 - 576
27P-6	Time Delay	SG2 3P	20636	Float	4	R W	Millisecond	0 - 600000
27P-6	Alarm Configuration	SG2 3P	20638	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-6	Low-Line Scale	SG2 3P	20640	Float	4	R W	n/a	0.001 - 3
27P-6	Frequency Inhibit	SG2 3P	20642	Float	4	R W	Hertz	20 - 90
27P-6	Mode	SG3 1P	20644	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-6	Source	SG3 1P	20646	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG3 1P	20648	Float	4	R W	Volt	1 - 576
27P-6	Time Delay	SG3 1P	20650	Float	4	R W	Millisecond	0 - 600000
27P-6	Alarm Configuration	SG3 1P	20652	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-6	Low-Line Scale	SG3 1P	20654	Float	4	R W	n/a	0.001 - 3
27P-6	Frequency Inhibit	SG3 1P	20656	Float	4	R W	Hertz	20 - 90
27P-6	Mode	SG3 3P	20658	Uint32	4	R W	n/a	Disabled=0 Enabled=1
27P-6	Source	SG3 3P	20660	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG3 3P	20662	Float	4	R W	Volt	1 - 576

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
27P-6	Time Delay	SG3 3P	20664	Float	4	R W	Millisecond	0 - 600000
27P-6	Alarm Configuration	SG3 3P	20666	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
27P-6	Low-Line Scale	SG3 3P	20668	Float	4	R W	n/a	0.001 - 3
27P-6	Frequency Inhibit	SG3 3P	20670	Float	4	R W	Hertz	20 - 90
59P-1	Mode	SG0 1P	20672	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-1	Source	SG0 1P	20674	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG0 1P	20676	Float	4	R W	Volt	1 - 576
59P-1	Time Delay	SG0 1P	20678	Float	4	R W	Millisecond	0 - 600000
59P-1	Alarm Configuration	SG0 1P	20680	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-1	Low-Line Scale	SG0 1P	20682	Float	4	R W	n/a	0.001 - 3
59P-1	Mode	SG0 3P	20684	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-1	Source	SG0 3P	20686	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG0 3P	20688	Float	4	R W	Volt	1 - 576
59P-1	Time Delay	SG0 3P	20690	Float	4	R W	Millisecond	0 - 600000
59P-1	Alarm Configuration	SG0 3P	20692	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-1	Low-Line Scale	SG0 3P	20694	Float	4	R W	n/a	0.001 - 3
59P-1	Mode	SG1 1P	20696	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-1	Source	SG1 1P	20698	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG1 1P	20700	Float	4	R W	Volt	1 - 576
59P-1	Time Delay	SG1 1P	20702	Float	4	R W	Millisecond	0 - 600000
59P-1	Alarm Configuration	SG1 1P	20704	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-1	Low-Line Scale	SG1 1P	20706	Float	4	R W	n/a	0.001 - 3
59P-1	Mode	SG1 3P	20708	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-1	Source	SG1 3P	20710	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG1 3P	20712	Float	4	R W	Volt	1 - 576
59P-1	Time Delay	SG1 3P	20714	Float	4	R W	Millisecond	0 - 600000
59P-1	Alarm Configuration	SG1 3P	20716	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-1	Low-Line Scale	SG1 3P	20718	Float	4	R W	n/a	0.001 - 3
59P-1	Mode	SG2 1P	20720	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-1	Source	SG2 1P	20722	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG2 1P	20724	Float	4	R W	Volt	1 - 576
59P-1	Time Delay	SG2 1P	20726	Float	4	R W	Millisecond	0 - 600000
59P-1	Alarm Configuration	SG2 1P	20728	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-1	Low-Line Scale	SG2 1P	20730	Float	4	R W	n/a	0.001 - 3
59P-1	Mode	SG2 3P	20732	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-1	Source	SG2 3P	20734	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG2 3P	20736	Float	4	R W	Volt	1 - 576
59P-1	Time Delay	SG2 3P	20738	Float	4	R W	Millisecond	0 - 600000
59P-1	Alarm Configuration	SG2 3P	20740	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-1	Low-Line Scale	SG2 3P	20742	Float	4	R W	n/a	0.001 - 3
59P-1	Mode	SG3 1P	20744	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-1	Source	SG3 1P	20746	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG3 1P	20748	Float	4	R W	Volt	1 - 576

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
59P-1	Time Delay	SG3 1P	20750	Float	4	R W	Millisecond	0 - 600000
59P-1	Alarm Configuration	SG3 1P	20752	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-1	Low-Line Scale	SG3 1P	20754	Float	4	R W	n/a	0.001 - 3
59P-1	Mode	SG3 3P	20756	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-1	Source	SG3 3P	20758	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG3 3P	20760	Float	4	R W	Volt	1 - 576
59P-1	Time Delay	SG3 3P	20762	Float	4	R W	Millisecond	0 - 600000
59P-1	Alarm Configuration	SG3 3P	20764	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-1	Low-Line Scale	SG3 3P	20766	Float	4	R W	n/a	0.001 - 3
59P-2	Mode	SG0 1P	20768	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-2	Source	SG0 1P	20770	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG0 1P	20772	Float	4	R W	Volt	1 - 576
59P-2	Time Delay	SG0 1P	20774	Float	4	R W	Millisecond	0 - 600000
59P-2	Alarm Configuration	SG0 1P	20776	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-2	Low-Line Scale	SG0 1P	20778	Float	4	R W	n/a	0.001 - 3
59P-2	Mode	SG0 3P	20780	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-2	Source	SG0 3P	20782	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG0 3P	20784	Float	4	R W	Volt	1 - 576
59P-2	Time Delay	SG0 3P	20786	Float	4	R W	Millisecond	0 - 600000
59P-2	Alarm Configuration	SG0 3P	20788	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-2	Low-Line Scale	SG0 3P	20790	Float	4	R W	n/a	0.001 - 3
59P-2	Mode	SG1 1P	20792	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-2	Source	SG1 1P	20794	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG1 1P	20796	Float	4	R W	Volt	1 - 576
59P-2	Time Delay	SG1 1P	20798	Float	4	R W	Millisecond	0 - 600000
59P-2	Alarm Configuration	SG1 1P	20800	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-2	Low-Line Scale	SG1 1P	20802	Float	4	R W	n/a	0.001 - 3
59P-2	Mode	SG1 3P	20804	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-2	Source	SG1 3P	20806	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG1 3P	20808	Float	4	R W	Volt	1 - 576
59P-2	Time Delay	SG1 3P	20810	Float	4	R W	Millisecond	0 - 600000
59P-2	Alarm Configuration	SG1 3P	20812	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-2	Low-Line Scale	SG1 3P	20814	Float	4	R W	n/a	0.001 - 3
59P-2	Mode	SG2 1P	20816	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-2	Source	SG2 1P	20818	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG2 1P	20820	Float	4	R W	Volt	1 - 576
59P-2	Time Delay	SG2 1P	20822	Float	4	R W	Millisecond	0 - 600000
59P-2	Alarm Configuration	SG2 1P	20824	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-2	Low-Line Scale	SG2 1P	20826	Float	4	R W	n/a	0.001 - 3
59P-2	Mode	SG2 3P	20828	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-2	Source	SG2 3P	20830	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG2 3P	20832	Float	4	R W	Volt	1 - 576
59P-2	Time Delay	SG2 3P	20834	Float	4	R W	Millisecond	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
59P-2	Alarm Configuration	SG2 3P	20836	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-2	Low-Line Scale	SG2 3P	20838	Float	4	R W	n/a	0.001 - 3
59P-2	Mode	SG3 1P	20840	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-2	Source	SG3 1P	20842	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG3 1P	20844	Float	4	R W	Volt	1 - 576
59P-2	Time Delay	SG3 1P	20846	Float	4	R W	Millisecond	0 - 600000
59P-2	Alarm Configuration	SG3 1P	20848	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-2	Low-Line Scale	SG3 1P	20850	Float	4	R W	n/a	0.001 - 3
59P-2	Mode	SG3 3P	20852	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-2	Source	SG3 3P	20854	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG3 3P	20856	Float	4	R W	Volt	1 - 576
59P-2	Time Delay	SG3 3P	20858	Float	4	R W	Millisecond	0 - 600000
59P-2	Alarm Configuration	SG3 3P	20860	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-2	Low-Line Scale	SG3 3P	20862	Float	4	R W	n/a	0.001 - 3
59P-3	Mode	SG0 1P	20864	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-3	Source	SG0 1P	20866	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG0 1P	20868	Float	4	R W	Volt	1 - 576
59P-3	Time Delay	SG0 1P	20870	Float	4	R W	Millisecond	0 - 600000
59P-3	Alarm Configuration	SG0 1P	20872	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-3	Low-Line Scale	SG0 1P	20874	Float	4	R W	n/a	0.001 - 3
59P-3	Mode	SG0 3P	20876	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-3	Source	SG0 3P	20878	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG0 3P	20880	Float	4	R W	Volt	1 - 576
59P-3	Time Delay	SG0 3P	20882	Float	4	R W	Millisecond	0 - 600000
59P-3	Alarm Configuration	SG0 3P	20884	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-3	Low-Line Scale	SG0 3P	20886	Float	4	R W	n/a	0.001 - 3
59P-3	Mode	SG1 1P	20888	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-3	Source	SG1 1P	20890	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG1 1P	20892	Float	4	R W	Volt	1 - 576
59P-3	Time Delay	SG1 1P	20894	Float	4	R W	Millisecond	0 - 600000
59P-3	Alarm Configuration	SG1 1P	20896	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-3	Low-Line Scale	SG1 1P	20898	Float	4	R W	n/a	0.001 - 3
59P-3	Mode	SG1 3P	20900	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-3	Source	SG1 3P	20902	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG1 3P	20904	Float	4	R W	Volt	1 - 576
59P-3	Time Delay	SG1 3P	20906	Float	4	R W	Millisecond	0 - 600000
59P-3	Alarm Configuration	SG1 3P	20908	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-3	Low-Line Scale	SG1 3P	20910	Float	4	R W	n/a	0.001 - 3
59P-3	Mode	SG2 1P	20912	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-3	Source	SG2 1P	20914	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG2 1P	20916	Float	4	R W	Volt	1 - 576
59P-3	Time Delay	SG2 1P	20918	Float	4	R W	Millisecond	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
59P-3	Alarm Configuration	SG2 1P	20920	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-3	Low-Line Scale	SG2 1P	20922	Float	4	R W	n/a	0.001 - 3
59P-3	Mode	SG2 3P	20924	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-3	Source	SG2 3P	20926	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG2 3P	20928	Float	4	R W	Volt	1 - 576
59P-3	Time Delay	SG2 3P	20930	Float	4	R W	Millisecond	0 - 600000
59P-3	Alarm Configuration	SG2 3P	20932	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-3	Low-Line Scale	SG2 3P	20934	Float	4	R W	n/a	0.001 - 3
59P-3	Mode	SG3 1P	20936	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-3	Source	SG3 1P	20938	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG3 1P	20940	Float	4	R W	Volt	1 - 576
59P-3	Time Delay	SG3 1P	20942	Float	4	R W	Millisecond	0 - 600000
59P-3	Alarm Configuration	SG3 1P	20944	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-3	Low-Line Scale	SG3 1P	20946	Float	4	R W	n/a	0.001 - 3
59P-3	Mode	SG3 3P	20948	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-3	Source	SG3 3P	20950	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG3 3P	20952	Float	4	R W	Volt	1 - 576
59P-3	Time Delay	SG3 3P	20954	Float	4	R W	Millisecond	0 - 600000
59P-3	Alarm Configuration	SG3 3P	20956	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-3	Low-Line Scale	SG3 3P	20958	Float	4	R W	n/a	0.001 - 3
59P-4	Mode	SG0 1P	20960	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-4	Source	SG0 1P	20962	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG0 1P	20964	Float	4	R W	Volt	1 - 576
59P-4	Time Delay	SG0 1P	20966	Float	4	R W	Millisecond	0 - 600000
59P-4	Alarm Configuration	SG0 1P	20968	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-4	Low-Line Scale	SG0 1P	20970	Float	4	R W	n/a	0.001 - 3
59P-4	Mode	SG0 3P	20972	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-4	Source	SG0 3P	20974	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG0 3P	20976	Float	4	R W	Volt	1 - 576
59P-4	Time Delay	SG0 3P	20978	Float	4	R W	Millisecond	0 - 600000
59P-4	Alarm Configuration	SG0 3P	20980	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-4	Low-Line Scale	SG0 3P	20982	Float	4	R W	n/a	0.001 - 3
59P-4	Mode	SG1 1P	20984	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-4	Source	SG1 1P	20986	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG1 1P	20988	Float	4	R W	Volt	1 - 576
59P-4	Time Delay	SG1 1P	20990	Float	4	R W	Millisecond	0 - 600000
59P-4	Alarm Configuration	SG1 1P	20992	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-4	Low-Line Scale	SG1 1P	20994	Float	4	R W	n/a	0.001 - 3
59P-4	Mode	SG1 3P	20996	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-4	Source	SG1 3P	20998	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG1 3P	21000	Float	4	R W	Volt	1 - 576
59P-4	Time Delay	SG1 3P	21002	Float	4	R W	Millisecond	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
59P-4	Alarm Configuration	SG1 3P	21004	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-4	Low-Line Scale	SG1 3P	21006	Float	4	R W	n/a	0.001 - 3
59P-4	Mode	SG2 1P	21008	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-4	Source	SG2 1P	21010	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG2 1P	21012	Float	4	R W	Volt	1 - 576
59P-4	Time Delay	SG2 1P	21014	Float	4	R W	Millisecond	0 - 600000
59P-4	Alarm Configuration	SG2 1P	21016	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-4	Low-Line Scale	SG2 1P	21018	Float	4	R W	n/a	0.001 - 3
59P-4	Mode	SG2 3P	21020	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-4	Source	SG2 3P	21022	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG2 3P	21024	Float	4	R W	Volt	1 - 576
59P-4	Time Delay	SG2 3P	21026	Float	4	R W	Millisecond	0 - 600000
59P-4	Alarm Configuration	SG2 3P	21028	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-4	Low-Line Scale	SG2 3P	21030	Float	4	R W	n/a	0.001 - 3
59P-4	Mode	SG3 1P	21032	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-4	Source	SG3 1P	21034	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG3 1P	21036	Float	4	R W	Volt	1 - 576
59P-4	Time Delay	SG3 1P	21038	Float	4	R W	Millisecond	0 - 600000
59P-4	Alarm Configuration	SG3 1P	21040	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-4	Low-Line Scale	SG3 1P	21042	Float	4	R W	n/a	0.001 - 3
59P-4	Mode	SG3 3P	21044	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-4	Source	SG3 3P	21046	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG3 3P	21048	Float	4	R W	Volt	1 - 576
59P-4	Time Delay	SG3 3P	21050	Float	4	R W	Millisecond	0 - 600000
59P-4	Alarm Configuration	SG3 3P	21052	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-4	Low-Line Scale	SG3 3P	21054	Float	4	R W	n/a	0.001 - 3
59P-5	Mode	SG0 1P	21056	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-5	Source	SG0 1P	21058	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG0 1P	21060	Float	4	R W	Volt	1 - 576
59P-5	Time Delay	SG0 1P	21062	Float	4	R W	Millisecond	0 - 600000
59P-5	Alarm Configuration	SG0 1P	21064	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-5	Low-Line Scale	SG0 1P	21066	Float	4	R W	n/a	0.001 - 3
59P-5	Mode	SG0 3P	21068	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-5	Source	SG0 3P	21070	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG0 3P	21072	Float	4	R W	Volt	1 - 576
59P-5	Time Delay	SG0 3P	21074	Float	4	R W	Millisecond	0 - 600000
59P-5	Alarm Configuration	SG0 3P	21076	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-5	Low-Line Scale	SG0 3P	21078	Float	4	R W	n/a	0.001 - 3
59P-5	Mode	SG1 1P	21080	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-5	Source	SG1 1P	21082	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG1 1P	21084	Float	4	R W	Volt	1 - 576
59P-5	Time Delay	SG1 1P	21086	Float	4	R W	Millisecond	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
59P-5	Alarm Configuration	SG1 1P	21088	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-5	Low-Line Scale	SG1 1P	21090	Float	4	R W	n/a	0.001 - 3
59P-5	Mode	SG1 3P	21092	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-5	Source	SG1 3P	21094	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG1 3P	21096	Float	4	R W	Volt	1 - 576
59P-5	Time Delay	SG1 3P	21098	Float	4	R W	Millisecond	0 - 600000
59P-5	Alarm Configuration	SG1 3P	21100	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-5	Low-Line Scale	SG1 3P	21102	Float	4	R W	n/a	0.001 - 3
59P-5	Mode	SG2 1P	21104	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-5	Source	SG2 1P	21106	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG2 1P	21108	Float	4	R W	Volt	1 - 576
59P-5	Time Delay	SG2 1P	21110	Float	4	R W	Millisecond	0 - 600000
59P-5	Alarm Configuration	SG2 1P	21112	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-5	Low-Line Scale	SG2 1P	21114	Float	4	R W	n/a	0.001 - 3
59P-5	Mode	SG2 3P	21116	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-5	Source	SG2 3P	21118	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG2 3P	21120	Float	4	R W	Volt	1 - 576
59P-5	Time Delay	SG2 3P	21122	Float	4	R W	Millisecond	0 - 600000
59P-5	Alarm Configuration	SG2 3P	21124	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-5	Low-Line Scale	SG2 3P	21126	Float	4	R W	n/a	0.001 - 3
59P-5	Mode	SG3 1P	21128	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-5	Source	SG3 1P	21130	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG3 1P	21132	Float	4	R W	Volt	1 - 576
59P-5	Time Delay	SG3 1P	21134	Float	4	R W	Millisecond	0 - 600000
59P-5	Alarm Configuration	SG3 1P	21136	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-5	Low-Line Scale	SG3 1P	21138	Float	4	R W	n/a	0.001 - 3
59P-5	Mode	SG3 3P	21140	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-5	Source	SG3 3P	21142	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG3 3P	21144	Float	4	R W	Volt	1 - 576
59P-5	Time Delay	SG3 3P	21146	Float	4	R W	Millisecond	0 - 600000
59P-5	Alarm Configuration	SG3 3P	21148	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-5	Low-Line Scale	SG3 3P	21150	Float	4	R W	n/a	0.001 - 3
59P-6	Mode	SG0 1P	21152	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-6	Source	SG0 1P	21154	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG0 1P	21156	Float	4	R W	Volt	1 - 576
59P-6	Time Delay	SG0 1P	21158	Float	4	R W	Millisecond	0 - 600000
59P-6	Alarm Configuration	SG0 1P	21160	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-6	Low-Line Scale	SG0 1P	21162	Float	4	R W	n/a	0.001 - 3
59P-6	Mode	SG0 3P	21164	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-6	Source	SG0 3P	21166	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG0 3P	21168	Float	4	R W	Volt	1 - 576
59P-6	Time Delay	SG0 3P	21170	Float	4	R W	Millisecond	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
59P-6	Alarm Configuration	SG0 3P	21172	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-6	Low-Line Scale	SG0 3P	21174	Float	4	R W	n/a	0.001 - 3
59P-6	Mode	SG1 1P	21176	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-6	Source	SG1 1P	21178	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG1 1P	21180	Float	4	R W	Volt	1 - 576
59P-6	Time Delay	SG1 1P	21182	Float	4	R W	Millisecond	0 - 600000
59P-6	Alarm Configuration	SG1 1P	21184	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-6	Low-Line Scale	SG1 1P	21186	Float	4	R W	n/a	0.001 - 3
59P-6	Mode	SG1 3P	21188	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-6	Source	SG1 3P	21190	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG1 3P	21192	Float	4	R W	Volt	1 - 576
59P-6	Time Delay	SG1 3P	21194	Float	4	R W	Millisecond	0 - 600000
59P-6	Alarm Configuration	SG1 3P	21196	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-6	Low-Line Scale	SG1 3P	21198	Float	4	R W	n/a	0.001 - 3
59P-6	Mode	SG2 1P	21200	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-6	Source	SG2 1P	21202	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG2 1P	21204	Float	4	R W	Volt	1 - 576
59P-6	Time Delay	SG2 1P	21206	Float	4	R W	Millisecond	0 - 600000
59P-6	Alarm Configuration	SG2 1P	21208	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-6	Low-Line Scale	SG2 1P	21210	Float	4	R W	n/a	0.001 - 3
59P-6	Mode	SG2 3P	21212	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-6	Source	SG2 3P	21214	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG2 3P	21216	Float	4	R W	Volt	1 - 576
59P-6	Time Delay	SG2 3P	21218	Float	4	R W	Millisecond	0 - 600000
59P-6	Alarm Configuration	SG2 3P	21220	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-6	Low-Line Scale	SG2 3P	21222	Float	4	R W	n/a	0.001 - 3
59P-6	Mode	SG3 1P	21224	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-6	Source	SG3 1P	21226	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG3 1P	21228	Float	4	R W	Volt	1 - 576
59P-6	Time Delay	SG3 1P	21230	Float	4	R W	Millisecond	0 - 600000
59P-6	Alarm Configuration	SG3 1P	21232	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-6	Low-Line Scale	SG3 1P	21234	Float	4	R W	n/a	0.001 - 3
59P-6	Mode	SG3 3P	21236	Uint32	4	R W	n/a	Disabled=0 Enabled=1
59P-6	Source	SG3 3P	21238	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG3 3P	21240	Float	4	R W	Volt	1 - 576
59P-6	Time Delay	SG3 3P	21242	Float	4	R W	Millisecond	0 - 600000
59P-6	Alarm Configuration	SG3 3P	21244	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
59P-6	Low-Line Scale	SG3 3P	21246	Float	4	R W	n/a	0.001 - 3
47-1	Mode	SG0	21248	Uint32	4	R W	n/a	Disabled=0 V2=3
47-1	Source	SG0	21250	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-1	Pickup	SG0	21252	Float	4	R W	Volt	1 - 150
47-1	Time Delay	SG0	21254	Float	4	R W	Millisecond	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
47-1	Alarm Configuration	SG0	21256	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-1	Low-Line Scale	SG0	21258	Float	4	R W	n/a	0.001 - 3
47-1	Mode	SG1	21260	Uint32	4	R W	n/a	Disabled=0 V2=3
47-1	Source	SG1	21262	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-1	Pickup	SG1	21264	Float	4	R W	Volt	1 - 150
47-1	Time Delay	SG1	21266	Float	4	R W	Millisecond	0 - 600000
47-1	Alarm Configuration	SG1	21268	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-1	Low-Line Scale	SG1	21270	Float	4	R W	n/a	0.001 - 3
47-1	Mode	SG2	21272	Uint32	4	R W	n/a	Disabled=0 V2=3
47-1	Source	SG2	21274	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-1	Pickup	SG2	21276	Float	4	R W	Volt	1 - 150
47-1	Time Delay	SG2	21278	Float	4	R W	Millisecond	0 - 600000
47-1	Alarm Configuration	SG2	21280	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-1	Low-Line Scale	SG2	21282	Float	4	R W	n/a	0.001 - 3
47-1	Mode	SG3	21284	Uint32	4	R W	n/a	Disabled=0 V2=3
47-1	Source	SG3	21286	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-1	Pickup	SG3	21288	Float	4	R W	Volt	1 - 150
47-1	Time Delay	SG3	21290	Float	4	R W	Millisecond	0 - 600000
47-1	Alarm Configuration	SG3	21292	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-1	Low-Line Scale	SG3	21294	Float	4	R W	n/a	0.001 - 3
47-2	Mode	SG0	21296	Uint32	4	R W	n/a	Disabled=0 V2=3
47-2	Source	SG0	21298	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-2	Pickup	SG0	21300	Float	4	R W	Volt	1 - 150
47-2	Time Delay	SG0	21302	Float	4	R W	Millisecond	0 - 600000
47-2	Alarm Configuration	SG0	21304	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-2	Low-Line Scale	SG0	21306	Float	4	R W	n/a	0.001 - 3
47-2	Mode	SG1	21308	Uint32	4	R W	n/a	Disabled=0 V2=3
47-2	Source	SG1	21310	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-2	Pickup	SG1	21312	Float	4	R W	Volt	1 - 150
47-2	Time Delay	SG1	21314	Float	4	R W	Millisecond	0 - 600000
47-2	Alarm Configuration	SG1	21316	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-2	Low-Line Scale	SG1	21318	Float	4	R W	n/a	0.001 - 3
47-2	Mode	SG2	21320	Uint32	4	R W	n/a	Disabled=0 V2=3
47-2	Source	SG2	21322	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-2	Pickup	SG2	21324	Float	4	R W	Volt	1 - 150
47-2	Time Delay	SG2	21326	Float	4	R W	Millisecond	0 - 600000
47-2	Alarm Configuration	SG2	21328	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-2	Low-Line Scale	SG2	21330	Float	4	R W	n/a	0.001 - 3
47-2	Mode	SG3	21332	Uint32	4	R W	n/a	Disabled=0 V2=3
47-2	Source	SG3	21334	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-2	Pickup	SG3	21336	Float	4	R W	Volt	1 - 150
47-2	Time Delay	SG3	21338	Float	4	R W	Millisecond	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
47-2	Alarm Configuration	SG3	21340	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-2	Low-Line Scale	SG3	21342	Float	4	R W	n/a	0.001 - 3
47-3	Mode	SG0	21344	Uint32	4	R W	n/a	Disabled=0 V2=3
47-3	Source	SG0	21346	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-3	Pickup	SG0	21348	Float	4	R W	Volt	1 - 150
47-3	Time Delay	SG0	21350	Float	4	R W	Millisecond	0 - 600000
47-3	Alarm Configuration	SG0	21352	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-3	Low-Line Scale	SG0	21354	Float	4	R W	n/a	0.001 - 3
47-3	Mode	SG1	21356	Uint32	4	R W	n/a	Disabled=0 V2=3
47-3	Source	SG1	21358	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-3	Pickup	SG1	21360	Float	4	R W	Volt	1 - 150
47-3	Time Delay	SG1	21362	Float	4	R W	Millisecond	0 - 600000
47-3	Alarm Configuration	SG1	21364	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-3	Low-Line Scale	SG1	21366	Float	4	R W	n/a	0.001 - 3
47-3	Mode	SG2	21368	Uint32	4	R W	n/a	Disabled=0 V2=3
47-3	Source	SG2	21370	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-3	Pickup	SG2	21372	Float	4	R W	Volt	1 - 150
47-3	Time Delay	SG2	21374	Float	4	R W	Millisecond	0 - 600000
47-3	Alarm Configuration	SG2	21376	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-3	Low-Line Scale	SG2	21378	Float	4	R W	n/a	0.001 - 3
47-3	Mode	SG3	21380	Uint32	4	R W	n/a	Disabled=0 V2=3
47-3	Source	SG3	21382	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-3	Pickup	SG3	21384	Float	4	R W	Volt	1 - 150
47-3	Time Delay	SG3	21386	Float	4	R W	Millisecond	0 - 600000
47-3	Alarm Configuration	SG3	21388	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-3	Low-Line Scale	SG3	21390	Float	4	R W	n/a	0.001 - 3
47-4	Mode	SG0	21392	Uint32	4	R W	n/a	Disabled=0 V2=3
47-4	Source	SG0	21394	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-4	Pickup	SG0	21396	Float	4	R W	Volt	1 - 150
47-4	Time Delay	SG0	21398	Float	4	R W	Millisecond	0 - 600000
47-4	Alarm Configuration	SG0	21400	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-4	Low-Line Scale	SG0	21402	Float	4	R W	n/a	0.001 - 3
47-4	Mode	SG1	21404	Uint32	4	R W	n/a	Disabled=0 V2=3
47-4	Source	SG1	21406	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-4	Pickup	SG1	21408	Float	4	R W	Volt	1 - 150
47-4	Time Delay	SG1	21410	Float	4	R W	Millisecond	0 - 600000
47-4	Alarm Configuration	SG1	21412	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-4	Low-Line Scale	SG1	21414	Float	4	R W	n/a	0.001 - 3
47-4	Mode	SG2	21416	Uint32	4	R W	n/a	Disabled=0 V2=3
47-4	Source	SG2	21418	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-4	Pickup	SG2	21420	Float	4	R W	Volt	1 - 150
47-4	Time Delay	SG2	21422	Float	4	R W	Millisecond	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
47-4	Alarm Configuration	SG2	21424	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-4	Low-Line Scale	SG2	21426	Float	4	R W	n/a	0.001 - 3
47-4	Mode	SG3	21428	Uint32	4	R W	n/a	Disabled=0 V2=3
47-4	Source	SG3	21430	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-4	Pickup	SG3	21432	Float	4	R W	Volt	1 - 150
47-4	Time Delay	SG3	21434	Float	4	R W	Millisecond	0 - 600000
47-4	Alarm Configuration	SG3	21436	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-4	Low-Line Scale	SG3	21438	Float	4	R W	n/a	0.001 - 3
47-5	Mode	SG0	21440	Uint32	4	R W	n/a	Disabled=0 V2=3
47-5	Source	SG0	21442	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-5	Pickup	SG0	21444	Float	4	R W	Volt	1 - 150
47-5	Time Delay	SG0	21446	Float	4	R W	Millisecond	0 - 600000
47-5	Alarm Configuration	SG0	21448	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-5	Low-Line Scale	SG0	21450	Float	4	R W	n/a	0.001 - 3
47-5	Mode	SG1	21452	Uint32	4	R W	n/a	Disabled=0 V2=3
47-5	Source	SG1	21454	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-5	Pickup	SG1	21456	Float	4	R W	Volt	1 - 150
47-5	Time Delay	SG1	21458	Float	4	R W	Millisecond	0 - 600000
47-5	Alarm Configuration	SG1	21460	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-5	Low-Line Scale	SG1	21462	Float	4	R W	n/a	0.001 - 3
47-5	Mode	SG2	21464	Uint32	4	R W	n/a	Disabled=0 V2=3
47-5	Source	SG2	21466	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-5	Pickup	SG2	21468	Float	4	R W	Volt	1 - 150
47-5	Time Delay	SG2	21470	Float	4	R W	Millisecond	0 - 600000
47-5	Alarm Configuration	SG2	21472	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-5	Low-Line Scale	SG2	21474	Float	4	R W	n/a	0.001 - 3
47-5	Mode	SG3	21476	Uint32	4	R W	n/a	Disabled=0 V2=3
47-5	Source	SG3	21478	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-5	Pickup	SG3	21480	Float	4	R W	Volt	1 - 150
47-5	Time Delay	SG3	21482	Float	4	R W	Millisecond	0 - 600000
47-5	Alarm Configuration	SG3	21484	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-5	Low-Line Scale	SG3	21486	Float	4	R W	n/a	0.001 - 3
47-6	Mode	SG0	21488	Uint32	4	R W	n/a	Disabled=0 V2=3
47-6	Source	SG0	21490	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-6	Pickup	SG0	21492	Float	4	R W	Volt	1 - 150
47-6	Time Delay	SG0	21494	Float	4	R W	Millisecond	0 - 600000
47-6	Alarm Configuration	SG0	21496	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-6	Low-Line Scale	SG0	21498	Float	4	R W	n/a	0.001 - 3
47-6	Mode	SG1	21500	Uint32	4	R W	n/a	Disabled=0 V2=3
47-6	Source	SG1	21502	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-6	Pickup	SG1	21504	Float	4	R W	Volt	1 - 150
47-6	Time Delay	SG1	21506	Float	4	R W	Millisecond	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
47-6	Alarm Configuration	SG1	21508	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-6	Low-Line Scale	SG1	21510	Float	4	R W	n/a	0.001 - 3
47-6	Mode	SG2	21512	Uint32	4	R W	n/a	Disabled=0 V2=3
47-6	Source	SG2	21514	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-6	Pickup	SG2	21516	Float	4	R W	Volt	1 - 150
47-6	Time Delay	SG2	21518	Float	4	R W	Millisecond	0 - 600000
47-6	Alarm Configuration	SG2	21520	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-6	Low-Line Scale	SG2	21522	Float	4	R W	n/a	0.001 - 3
47-6	Mode	SG3	21524	Uint32	4	R W	n/a	Disabled=0 V2=3
47-6	Source	SG3	21526	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
47-6	Pickup	SG3	21528	Float	4	R W	Volt	1 - 150
47-6	Time Delay	SG3	21530	Float	4	R W	Millisecond	0 - 600000
47-6	Alarm Configuration	SG3	21532	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
47-6	Low-Line Scale	SG3	21534	Float	4	R W	n/a	0.001 - 3
81-1	Mode	SG0	21536	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-1	Source	SG0	21538	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-1	Pickup	SG0	21540	Float	4	R W	Hertz	37.5 - 66
81-1	Time Delay	SG0	21542	Float	4	R W	Millisecond	0 - 600000
81-1	Voltage Inhibit	SG0	21544	Float	4	R W	Percent	1 - 100
81-1	Alarm Configuration	SG0	21546	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-1	Mode	SG1	21548	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-1	Source	SG1	21550	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-1	Pickup	SG1	21552	Float	4	R W	Hertz	37.5 - 66
81-1	Time Delay	SG1	21554	Float	4	R W	Millisecond	0 - 600000
81-1	Voltage Inhibit	SG1	21556	Float	4	R W	Percent	1 - 100
81-1	Alarm Configuration	SG1	21558	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-1	Mode	SG2	21560	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-1	Source	SG2	21562	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-1	Pickup	SG2	21564	Float	4	R W	Hertz	37.5 - 66
81-1	Time Delay	SG2	21566	Float	4	R W	Millisecond	0 - 600000
81-1	Voltage Inhibit	SG2	21568	Float	4	R W	Percent	1 - 100
81-1	Alarm Configuration	SG2	21570	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-1	Mode	SG3	21572	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-1	Source	SG3	21574	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-1	Pickup	SG3	21576	Float	4	R W	Hertz	37.5 - 66
81-1	Time Delay	SG3	21578	Float	4	R W	Millisecond	0 - 600000
81-1	Voltage Inhibit	SG3	21580	Float	4	R W	Percent	1 - 100
81-1	Alarm Configuration	SG3	21582	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-2	Mode	SG0	21584	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
81-2	Source	SG0	21586	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-2	Pickup	SG0	21588	Float	4	R W	Hertz	37.5 - 66
81-2	Time Delay	SG0	21590	Float	4	R W	Millisecond	0 - 600000
81-2	Voltage Inhibit	SG0	21592	Float	4	R W	Percent	1 - 100
81-2	Alarm Configuration	SG0	21594	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-2	Mode	SG1	21596	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-2	Source	SG1	21598	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-2	Pickup	SG1	21600	Float	4	R W	Hertz	37.5 - 66
81-2	Time Delay	SG1	21602	Float	4	R W	Millisecond	0 - 600000
81-2	Voltage Inhibit	SG1	21604	Float	4	R W	Percent	1 - 100
81-2	Alarm Configuration	SG1	21606	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-2	Mode	SG2	21608	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-2	Source	SG2	21610	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-2	Pickup	SG2	21612	Float	4	R W	Hertz	37.5 - 66
81-2	Time Delay	SG2	21614	Float	4	R W	Millisecond	0 - 600000
81-2	Voltage Inhibit	SG2	21616	Float	4	R W	Percent	1 - 100
81-2	Alarm Config	SG2	21618	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-2	Mode	SG3	21620	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-2	Source	SG3	21622	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-2	Pickup	SG3	21624	Float	4	R W	Hertz	37.5 - 66
81-2	Time Delay	SG3	21626	Float	4	R W	Millisecond	0 - 600000
81-2	Voltage Inhibit	SG3	21628	Float	4	R W	Percent	1 - 100
81-2	Alarm Configuration	SG3	21630	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-3	Mode	SG0	21632	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-3	Source	SG0	21634	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-3	Pickup	SG0	21636	Float	4	R W	Hertz	37.5 - 66
81-3	Time Delay	SG0	21638	Float	4	R W	Millisecond	0 - 600000
81-3	Voltage Inhibit	SG0	21640	Float	4	R W	Percent	1 - 100
81-3	Alarm Configuration	SG0	21642	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-3	Mode	SG1	21644	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-3	Source	SG1	21646	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-3	Pickup	SG1	21648	Float	4	R W	Hertz	37.5 - 66
81-3	Time Delay	SG1	21650	Float	4	R W	Millisecond	0 - 600000
81-3	Voltage Inhibit	SG1	21652	Float	4	R W	Percent	1 - 100
81-3	Alarm Configuration	SG1	21654	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-3	Mode	SG2	21656	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-3	Source	SG2	21658	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-3	Pickup	SG2	21660	Float	4	R W	Hertz	37.5 - 66
81-3	Time Delay	SG2	21662	Float	4	R W	Millisecond	0 - 600000
81-3	Voltage Inhibit	SG2	21664	Float	4	R W	Percent	1 - 100

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
81-3	Alarm Configuration	SG2	21666	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-3	Mode	SG3	21668	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-3	Source	SG3	21670	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-3	Pickup	SG3	21672	Float	4	R W	Hertz	37.5 - 66
81-3	Time Delay	SG3	21674	Float	4	R W	Millisecond	0 - 600000
81-3	Voltage Inhibit	SG3	21676	Float	4	R W	Percent	1 - 100
81-3	Alarm Config	SG3	21678	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-4	Mode	SG0	21680	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-4	Source	SG0	21682	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-4	Pickup	SG0	21684	Float	4	R W	Hertz	37.5 - 66
81-4	Time Delay	SG0	21686	Float	4	R W	Millisecond	0 - 600000
81-4	Voltage Inhibit	SG0	21688	Float	4	R W	Percent	1 - 100
81-4	Alarm Configuration	SG0	21690	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-4	Mode	SG1	21692	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-4	Source	SG1	21694	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-4	Pickup	SG1	21696	Float	4	R W	Hertz	37.5 - 66
81-4	Time Delay	SG1	21698	Float	4	R W	Millisecond	0 - 600000
81-4	Voltage Inhibit	SG1	21700	Float	4	R W	Percent	1 - 100
81-4	Alarm Configuration	SG1	21702	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-4	Mode	SG2	21704	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-4	Source	SG2	21706	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-4	Pickup	SG2	21708	Float	4	R W	Hertz	37.5 - 66
81-4	Time Delay	SG2	21710	Float	4	R W	Millisecond	0 - 600000
81-4	Voltage Inhibit	SG2	21712	Float	4	R W	Percent	1 - 100
81-4	Alarm Configuration	SG2	21714	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-4	Mode	SG3	21716	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-4	Source	SG3	21718	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-4	Pickup	SG3	21720	Float	4	R W	Hertz	37.5 - 66
81-4	Time Delay	SG3	21722	Float	4	R W	Millisecond	0 - 600000
81-4	Voltage Inhibit	SG3	21724	Float	4	R W	Percent	1 - 100
81-4	Alarm Config	SG3	21726	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-5	Mode	SG0	21728	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-5	Source	SG0	21730	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-5	Pickup	SG0	21732	Float	4	R W	Hertz	37.5 - 66
81-5	Time Delay	SG0	21734	Float	4	R W	Millisecond	0 - 600000
81-5	Voltage Inhibit	SG0	21736	Float	4	R W	Percent	1 - 100
81-5	Alarm Configuration	SG0	21738	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-5	Mode	SG1	21740	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
81-5	Source	SG1	21742	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-5	Pickup	SG1	21744	Float	4	R W	Hertz	37.5 - 66
81-5	Time Delay	SG1	21746	Float	4	R W	Millisecond	0 - 600000
81-5	Voltage Inhibit	SG1	21748	Float	4	R W	Percent	1 - 100
81-5	Alarm Configuration	SG1	21750	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-5	Mode	SG2	21752	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-5	Source	SG2	21754	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-5	Pickup	SG2	21756	Float	4	R W	Hertz	37.5 - 66
81-5	Time Delay	SG2	21758	Float	4	R W	Millisecond	0 - 600000
81-5	Voltage Inhibit	SG2	21760	Float	4	R W	Percent	1 - 100
81-5	Alarm Configuration	SG2	21762	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-5	Mode	SG3	21764	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-5	Source	SG3	21766	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-5	Pickup	SG3	21768	Float	4	R W	Hertz	37.5 - 66
81-5	Time Delay	SG3	21770	Float	4	R W	Millisecond	0 - 600000
81-5	Voltage Inhibit	SG3	21772	Float	4	R W	Percent	1 - 100
81-5	Alarm Configuration	SG3	21774	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-6	Mode	SG0	21776	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-6	Source	SG0	21778	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-6	Pickup	SG0	21780	Float	4	R W	Hertz	37.5 - 66
81-6	Time Delay	SG0	21782	Float	4	R W	Millisecond	0 - 600000
81-6	Voltage Inhibit	SG0	21784	Float	4	R W	Percent	1 - 100
81-6	Alarm Configuration	SG0	21786	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-6	Mode	SG1	21788	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-6	Source	SG1	21790	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-6	Pickup	SG1	21792	Float	4	R W	Hertz	37.5 - 66
81-6	Time Delay	SG1	21794	Float	4	R W	Millisecond	0 - 600000
81-6	Voltage Inhibit	SG1	21796	Float	4	R W	Percent	1 - 100
81-6	Alarm Configuration	SG1	21798	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-6	Mode	SG2	21800	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-6	Source	SG2	21802	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-6	Pickup	SG2	21804	Float	4	R W	Hertz	37.5 - 66
81-6	Time Delay	SG2	21806	Float	4	R W	Millisecond	0 - 600000
81-6	Voltage Inhibit	SG2	21808	Float	4	R W	Percent	1 - 100
81-6	Alarm Configuration	SG2	21810	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-6	Mode	SG3	21812	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-6	Source	SG3	21814	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-6	Pickup	SG3	21816	Float	4	R W	Hertz	37.5 - 66
81-6	Time Delay	SG3	21818	Float	4	R W	Millisecond	0 - 600000
81-6	Voltage Inhibit	SG3	21820	Float	4	R W	Percent	1 - 100

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
81-6	Alarm Configuration	SG3	21822	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-7	Mode	SG0	21824	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-7	Source	SG0	21826	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-7	Pickup	SG0	21828	Float	4	R W	Hertz	37.5 - 66
81-7	Time Delay	SG0	21830	Float	4	R W	Millisecond	0 - 600000
81-7	Voltage Inhibit	SG0	21832	Float	4	R W	Percent	1 - 100
81-7	Alarm Configuration	SG0	21834	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-7	Mode	SG1	21836	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-7	Source	SG1	21838	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-7	Pickup	SG1	21840	Float	4	R W	Hertz	37.5 - 66
81-7	Time Delay	SG1	21842	Float	4	R W	Millisecond	0 - 600000
81-7	Voltage Inhibit	SG1	21844	Float	4	R W	Percent	1 - 100
81-7	Alarm Configuration	SG1	21846	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-7	Mode	SG2	21848	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-7	Source	SG2	21850	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-7	Pickup	SG2	21852	Float	4	R W	Hertz	37.5 - 66
81-7	Time Delay	SG2	21854	Float	4	R W	Millisecond	0 - 600000
81-7	Voltage Inhibit	SG2	21856	Float	4	R W	Percent	1 - 100
81-7	Alarm Configuration	SG2	21858	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-7	Mode	SG3	21860	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-7	Source	SG3	21862	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-7	Pickup	SG3	21864	Float	4	R W	Hertz	37.5 - 66
81-7	Time Delay	SG3	21866	Float	4	R W	Millisecond	0 - 600000
81-7	Voltage Inhibit	SG3	21868	Float	4	R W	Percent	1 - 100
81-7	Alarm Configuration	SG3	21870	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-8	Mode	SG0	21872	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-8	Source	SG0	21874	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-8	Pickup	SG0	21876	Float	4	R W	Hertz	37.5 - 66
81-8	Time Delay	SG0	21878	Float	4	R W	Millisecond	0 - 600000
81-8	Voltage Inhibit	SG0	21880	Float	4	R W	Percent	1 - 100
81-8	Alarm Configuration	SG0	21882	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-8	Mode	SG1	21884	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-8	Source	SG1	21886	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-8	Pickup	SG1	21888	Float	4	R W	Hertz	37.5 - 66
81-8	Time Delay	SG1	21890	Float	4	R W	Millisecond	0 - 600000
81-8	Voltage Inhibit	SG1	21892	Float	4	R W	Percent	1 - 100
81-8	Alarm Configuration	SG1	21894	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-8	Mode	SG2	21896	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
81-8	Source	SG2	21898	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-8	Pickup	SG2	21900	Float	4	R W	Hertz	37.5 - 66
81-8	Time Delay	SG2	21902	Float	4	R W	Millisecond	0 - 600000
81-8	Voltage Inhibit	SG2	21904	Float	4	R W	Percent	1 - 100
81-8	Alarm Configuration	SG2	21906	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
81-8	Mode	SG3	21908	Uint32	4	R W	n/a	Disabled=0 Over=1 Under=2
81-8	Source	SG3	21910	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
81-8	Pickup	SG3	21912	Float	4	R W	Hertz	37.5 - 66
81-8	Time Delay	SG3	21914	Float	4	R W	Millisecond	0 - 600000
81-8	Voltage Inhibit	SG3	21916	Float	4	R W	Percent	1 - 100
81-8	Alarm Configuration	SG3	21918	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-1	Mode	SG0 1P	21920	Uint32	4	R W	n/a	Disabled=0 Enabled=1
40Q-1	Pickup	SG0 1P	21922	Float	4	R W	Percent	-150 - 0
40Q-1	Time Delay	SG0 1P	21924	Float	4	R W	Millisecond	0 - 600000
40Q-1	Source	SG0 1P	21926	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Configuration	SG0 1P	21928	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-1	Low-Line Scale	SG0 1P	21930	Float	4	R W	n/a	0.001 - 3
40Q-1	Mode	SG0 3P	21932	Uint32	4	R W	n/a	Disabled=0 Enabled=1
40Q-1	Pickup	SG0 3P	21934	Float	4	R W	Percent	-150 - 0
40Q-1	Time Delay	SG0 3P	21936	Float	4	R W	Millisecond	0 - 600000
40Q-1	Source	SG0 3P	21938	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Configuration	SG0 3P	21940	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-1	Low-Line Scale	SG0 3P	21942	Float	4	R W	n/a	0.001 - 3
40Q-1	Mode	SG1 1P	21944	Uint32	4	R W	n/a	Disabled=0 Enabled=1
40Q-1	Pickup	SG1 1P	21946	Float	4	R W	Percent	-150 - 0
40Q-1	Time Delay	SG1 1P	21948	Float	4	R W	Millisecond	0 - 600000
40Q-1	Source	SG1 1P	21950	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Configuration	SG1 1P	21952	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-1	Low-Line Scale	SG1 1P	21954	Float	4	R W	n/a	0.001 - 3
40Q-1	Mode	SG1 3P	21956	Uint32	4	R W	n/a	Disabled=0 Enabled=1
40Q-1	Pickup	SG1 3P	21958	Float	4	R W	Percent	-150 - 0
40Q-1	Time Delay	SG1 3P	21960	Float	4	R W	Millisecond	0 - 600000
40Q-1	Source	SG1 3P	21962	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Configuration	SG1 3P	21964	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-1	Low-Line Scale	SG1 3P	21966	Float	4	R W	n/a	0.001 - 3
40Q-1	Mode	SG2 1P	21968	Uint32	4	R W	n/a	Disabled=0 Enabled=1
40Q-1	Pickup	SG2 1P	21970	Float	4	R W	Percent	-150 - 0
40Q-1	Time Delay	SG2 1P	21972	Float	4	R W	Millisecond	0 - 600000
40Q-1	Source	SG2 1P	21974	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Configuration	SG2 1P	21976	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-1	Low-Line Scale	SG2 1P	21978	Float	4	R W	n/a	0.001 - 3
40Q-1	Mode	SG2 3P	21980	Uint32	4	R W	n/a	Disabled=0 Enabled=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
40Q-1	Pickup	SG2 3P	21982	Float	4	R W	Percent	-150 - 0
40Q-1	Time Delay	SG2 3P	21984	Float	4	R W	Millisecond	0 - 600000
40Q-1	Source	SG2 3P	21986	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Configuration	SG2 3P	21988	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-1	Low-Line Scale	SG2 3P	21990	Float	4	R W	n/a	0.001 - 3
40Q-1	Mode	SG3 1P	21992	Uint32	4	R W	n/a	Disabled=0 Enabled=1
40Q-1	Pickup	SG3 1P	21994	Float	4	R W	Percent	-150 - 0
40Q-1	Time Delay	SG3 1P	21996	Float	4	R W	Millisecond	0 - 600000
40Q-1	Source	SG3 1P	21998	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Config	SG3 1P	22000	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-1	Low-Line Scale	SG3 1P	22002	Float	4	R W	n/a	0.001 - 3
40Q-1	Mode	SG3 3P	22004	Uint32	4	R W	n/a	Disabled=0 Enabled=1
40Q-1	Pickup	SG3 3P	22006	Float	4	R W	Percent	-150 - 0
40Q-1	Time Delay	SG3 3P	22008	Float	4	R W	Millisecond	0 - 600000
40Q-1	Source	SG3 3P	22010	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Configuration	SG3 3P	22012	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-1	Low-Line Scale	SG3 3P	22014	Float	4	R W	n/a	0.001 - 3
40Q-2	Mode	SG0 1P	22016	Uint32	4	R W	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG0 1P	22018	Float	4	R W	Percent	-150 - 0
40Q-2	Time Delay	SG0 1P	22020	Float	4	R W	Millisecond	0 - 600000
40Q-2	Source	SG0 1P	22022	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Configuration	SG0 1P	22024	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-2	Low-Line Scale	SG0 1P	22026	Float	4	R W	n/a	0.001 - 3
40Q-2	Mode	SG0 3P	22028	Uint32	4	R W	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG0 3P	22030	Float	4	R W	Percent	-150 - 0
40Q-2	Time Delay	SG0 3P	22032	Float	4	R W	Millisecond	0 - 600000
40Q-2	Source	SG0 3P	22034	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Configuration	SG0 3P	22036	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-2	Low-Line Scale	SG0 3P	22038	Float	4	R W	n/a	0.001 - 3
40Q-2	Mode	SG1 1P	22040	Uint32	4	R W	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG1 1P	22042	Float	4	R W	Percent	-150 - 0
40Q-2	Time Delay	SG1 1P	22044	Float	4	R W	Millisecond	0 - 600000
40Q-2	Source	SG1 1P	22046	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Config	SG1 1P	22048	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-2	Low-Line Scale	SG1 1P	22050	Float	4	R W	n/a	0.001 - 3
40Q-2	Mode	SG1 3P	22052	Uint32	4	R W	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG1 3P	22054	Float	4	R W	Percent	-150 - 0
40Q-2	Time Delay	SG1 3P	22056	Float	4	R W	Millisecond	0 - 600000
40Q-2	Source	SG1 3P	22058	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Configuration	SG1 3P	22060	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-2	Low-Line Scale	SG1 3P	22062	Float	4	R W	n/a	0.001 - 3
40Q-2	Mode	SG2 1P	22064	Uint32	4	R W	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG2 1P	22066	Float	4	R W	Percent	-150 - 0

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
40Q-2	Time Delay	SG2 1P	22068	Float	4	R W	Millisecond	0 - 600000
40Q-2	Source	SG2 1P	22070	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Configuration	SG2 1P	22072	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-2	Low-Line Scale	SG2 1P	22074	Float	4	R W	n/a	0.001 - 3
40Q-2	Mode	SG2 3P	22076	Uint32	4	R W	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG2 3P	22078	Float	4	R W	Percent	-150 - 0
40Q-2	Time Delay	SG2 3P	22080	Float	4	R W	Millisecond	0 - 600000
40Q-2	Source	SG2 3P	22082	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Configuration	SG2 3P	22084	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-2	Low-Line Scale	SG2 3P	22086	Float	4	R W	n/a	0.001 - 3
40Q-2	Mode	SG3 1P	22088	Uint32	4	R W	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG3 1P	22090	Float	4	R W	Percent	-150 - 0
40Q-2	Time Delay	SG3 1P	22092	Float	4	R W	Millisecond	0 - 600000
40Q-2	Source	SG3 1P	22094	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Configuration	SG3 1P	22096	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-2	Low-Line Scale	SG3 1P	22098	Float	4	R W	n/a	0.001 - 3
40Q-2	Mode	SG3 3P	22100	Uint32	4	R W	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG3 3P	22102	Float	4	R W	Percent	-150 - 0
40Q-2	Time Delay	SG3 3P	22104	Float	4	R W	Millisecond	0 - 600000
40Q-2	Source	SG3 3P	22106	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Configuration	SG3 3P	22108	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
40Q-2	Low-Line Scale	SG3 3P	22110	Float	4	R W	n/a	0.001 - 3
32-1	Mode	SG0 1P	22112	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-1	Source	SG0 1P	22114	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG0 1P	22116	Float	4	R W	Percent	1 - 200
32-1	Time Delay	SG0 1P	22118	Float	4	R W	Millisecond	0 - 600000
32-1	Over Under	SG0 1P	22120	Uint32	4	R W	n/a	Over=0 Under=1
32-1	Direction	SG0 1P	22122	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-1	Alarm Configuration	SG0 1P	22124	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-1	Low-Line Scale	SG0 1P	22126	Float	4	R W	n/a	0.001 - 3
32-1	Mode	SG0 3P	22128	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-1	Source	SG0 3P	22130	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG0 3P	22132	Float	4	R W	Percent	1 - 200
32-1	Time Delay	SG0 3P	22134	Float	4	R W	Millisecond	0 - 600000
32-1	Over Under	SG0 3P	22136	Uint32	4	R W	n/a	Over=0 Under=1
32-1	Direction	SG0 3P	22138	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-1	Alarm Configuration	SG0 3P	22140	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-1	Low-Line Scale	SG0 3P	22142	Float	4	R W	n/a	0.001 - 3
32-1	Mode	SG1 1P	22144	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-1	Source	SG1 1P	22146	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG1 1P	22148	Float	4	R W	Percent	1 - 200
32-1	Time Delay	SG1 1P	22150	Float	4	R W	Millisecond	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
32-1	Over Under	SG1 1P	22152	Uint32	4	R W	n/a	Over=0 Under=1
32-1	Direction	SG1 1P	22154	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-1	Alarm Configuration	SG1 1P	22156	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-1	Low-Line Scale	SG1 1P	22158	Float	4	R W	n/a	0.001 - 3
32-1	Mode	SG1 3P	22160	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-1	Source	SG1 3P	22162	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG1 3P	22164	Float	4	R W	Percent	1 - 200
32-1	Time Delay	SG1 3P	22166	Float	4	R W	Millisecond	0 - 600000
32-1	Over Under	SG1 3P	22168	Uint32	4	R W	n/a	Over=0 Under=1
32-1	Direction	SG1 3P	22170	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-1	Alarm Configuration	SG1 3P	22172	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-1	Low-Line Scale	SG1 3P	22174	Float	4	R W	n/a	0.001 - 3
32-1	Mode	SG2 1P	22176	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-1	Source	SG2 1P	22178	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG2 1P	22180	Float	4	R W	Percent	1 - 200
32-1	Time Delay	SG2 1P	22182	Float	4	R W	Millisecond	0 - 600000
32-1	Over Under	SG2 1P	22184	Uint32	4	R W	n/a	Over=0 Under=1
32-1	Direction	SG2 1P	22186	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-1	Alarm Configuration	SG2 1P	22188	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-1	Low-Line Scale	SG2 1P	22190	Float	4	R W	n/a	0.001 - 3
32-1	Mode	SG2 3P	22192	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-1	Source	SG2 3P	22194	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG2 3P	22196	Float	4	R W	Percent	1 - 200
32-1	Time Delay	SG2 3P	22198	Float	4	R W	Millisecond	0 - 600000
32-1	Over Under	SG2 3P	22200	Uint32	4	R W	n/a	Over=0 Under=1
32-1	Direction	SG2 3P	22202	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-1	Alarm Configuration	SG2 3P	22204	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-1	Low-Line Scale	SG2 3P	22206	Float	4	R W	n/a	0.001 - 3
32-1	Mode	SG3 1P	22208	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-1	Source	SG3 1P	22210	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG3 1P	22212	Float	4	R W	Percent	1 - 200
32-1	Time Delay	SG3 1P	22214	Float	4	R W	Millisecond	0 - 600000
32-1	Over Under	SG3 1P	22216	Uint32	4	R W	n/a	Over=0 Under=1
32-1	Direction	SG3 1P	22218	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-1	Alarm Configuration	SG3 1P	22220	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-1	Low-Line Scale	SG3 1P	22222	Float	4	R W	n/a	0.001 - 3
32-1	Mode	SG3 3P	22224	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-1	Source	SG3 3P	22226	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG3 3P	22228	Float	4	R W	Percent	1 - 200
32-1	Time Delay	SG3 3P	22230	Float	4	R W	Millisecond	0 - 600000
32-1	Over Under	SG3 3P	22232	Uint32	4	R W	n/a	Over=0 Under=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
32-1	Direction	SG3 3P	22234	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-1	Alarm Configuration	SG3 3P	22236	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-1	Low-Line Scale	SG3 3P	22238	Float	4	R W	n/a	0.001 - 3
32-2	Mode	SG0 1P	22240	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-2	Source	SG0 1P	22242	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG0 1P	22244	Float	4	R W	Percent	1 - 200
32-2	Time Delay	SG0 1P	22246	Float	4	R W	Millisecond	0 - 600000
32-2	Over Under	SG0 1P	22248	Uint32	4	R W	n/a	Over=0 Under=1
32-2	Direction	SG0 1P	22250	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-2	Alarm Configuration	SG0 1P	22252	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-2	Low-Line Scale	SG0 1P	22254	Float	4	R W	n/a	0.001 - 3
32-2	Mode	SG0 3P	22256	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-2	Source	SG0 3P	22258	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG0 3P	22260	Float	4	R W	Percent	1 - 200
32-2	Time Delay	SG0 3P	22262	Float	4	R W	Millisecond	0 - 600000
32-2	Over Under	SG0 3P	22264	Uint32	4	R W	n/a	Over=0 Under=1
32-2	Direction	SG0 3P	22266	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-2	Alarm Configuration	SG0 3P	22268	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-2	Low-Line Scale	SG0 3P	22270	Float	4	R W	n/a	0.001 - 3
32-2	Mode	SG1 1P	22272	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-2	Source	SG1 1P	22274	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG1 1P	22276	Float	4	R W	Percent	1 - 200
32-2	Time Delay	SG1 1P	22278	Float	4	R W	Millisecond	0 - 600000
32-2	Over Under	SG1 1P	22280	Uint32	4	R W	n/a	Over=0 Under=1
32-2	Direction	SG1 1P	22282	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-2	Alarm Configuration	SG1 1P	22284	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-2	Low-Line Scale	SG1 1P	22286	Float	4	R W	n/a	0.001 - 3
32-2	Mode	SG1 3P	22288	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-2	Source	SG1 3P	22290	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG1 3P	22292	Float	4	R W	Percent	1 - 200
32-2	Time Delay	SG1 3P	22294	Float	4	R W	Millisecond	0 - 600000
32-2	Over Under	SG1 3P	22296	Uint32	4	R W	n/a	Over=0 Under=1
32-2	Direction	SG1 3P	22298	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-2	Alarm Configuration	SG1 3P	22300	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-2	Low-Line Scale	SG1 3P	22302	Float	4	R W	n/a	0.001 - 3
32-2	Mode	SG2 1P	22304	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-2	Source	SG2 1P	22306	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG2 1P	22308	Float	4	R W	Percent	1 - 200
32-2	Time Delay	SG2 1P	22310	Float	4	R W	Millisecond	0 - 600000
32-2	Over Under	SG2 1P	22312	Uint32	4	R W	n/a	Over=0 Under=1
32-2	Direction	SG2 1P	22314	Uint32	4	R W	n/a	Forward=0 Reverse=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
32-2	Alarm Configuration	SG2 1P	22316	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-2	Low-Line Scale	SG2 1P	22318	Float	4	R W	n/a	0.001 - 3
32-2	Mode	SG2 3P	22320	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-2	Source	SG2 3P	22322	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG2 3P	22324	Float	4	R W	Percent	1 - 200
32-2	Time Delay	SG2 3P	22326	Float	4	R W	Millisecond	0 - 600000
32-2	Over Under	SG2 3P	22328	Uint32	4	R W	n/a	Over=0 Under=1
32-2	Direction	SG2 3P	22330	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-2	Alarm Configuration	SG2 3P	22332	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-2	Low-Line Scale	SG2 3P	22334	Float	4	R W	n/a	0.001 - 3
32-2	Mode	SG3 1P	22336	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-2	Source	SG3 1P	22338	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG3 1P	22340	Float	4	R W	Percent	1 - 200
32-2	Time Delay	SG3 1P	22342	Float	4	R W	Millisecond	0 - 600000
32-2	Over Under	SG3 1P	22344	Uint32	4	R W	n/a	Over=0 Under=1
32-2	Direction	SG3 1P	22346	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-2	Alarm Configuration	SG3 1P	22348	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-2	Low-Line Scale	SG3 1P	22350	Float	4	R W	n/a	0.001 - 3
32-2	Mode	SG3 3P	22352	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-2	Source	SG3 3P	22354	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG3 3P	22356	Float	4	R W	Percent	1 - 200
32-2	Time Delay	SG3 3P	22358	Float	4	R W	Millisecond	0 - 600000
32-2	Over Under	SG3 3P	22360	Uint32	4	R W	n/a	Over=0 Under=1
32-2	Direction	SG3 3P	22362	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-2	Alarm Configuration	SG3 3P	22364	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-2	Low-Line Scale	SG3 3P	22366	Float	4	R W	n/a	0.001 - 3
32-3	Mode	SG0 1P	22368	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-3	Source	SG0 1P	22370	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG0 1P	22372	Float	4	R W	Percent	1 - 200
32-3	Time Delay	SG0 1P	22374	Float	4	R W	Millisecond	0 - 600000
32-3	Over Under	SG0 1P	22376	Uint32	4	R W	n/a	Over=0 Under=1
32-3	Direction	SG0 1P	22378	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-3	Alarm Configuration	SG0 1P	22380	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-3	Low-Line Scale	SG0 1P	22382	Float	4	R W	n/a	0.001 - 3
32-3	Mode	SG0 3P	22384	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-3	Source	SG0 3P	22386	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG0 3P	22388	Float	4	R W	Percent	1 - 200
32-3	Time Delay	SG0 3P	22390	Float	4	R W	Millisecond	0 - 600000
32-3	Over Under	SG0 3P	22392	Uint32	4	R W	n/a	Over=0 Under=1
32-3	Direction	SG0 3P	22394	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-3	Alarm Configuration	SG0 3P	22396	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
32-3	Low-Line Scale	SG0 3P	22398	Float	4	R W	n/a	0.001 - 3
32-3	Mode	SG1 1P	22400	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-3	Source	SG1 1P	22402	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG1 1P	22404	Float	4	R W	Percent	1 - 200
32-3	Time Delay	SG1 1P	22406	Float	4	R W	Millisecond	0 - 600000
32-3	Over Under	SG1 1P	22408	Uint32	4	R W	n/a	Over=0 Under=1
32-3	Direction	SG1 1P	22410	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-3	Alarm Configuration	SG1 1P	22412	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-3	Low-Line Scale	SG1 1P	22414	Float	4	R W	n/a	0.001 - 3
32-3	Mode	SG1 3P	22416	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-3	Source	SG1 3P	22418	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG1 3P	22420	Float	4	R W	Percent	1 - 200
32-3	Time Delay	SG1 3P	22422	Float	4	R W	Millisecond	0 - 600000
32-3	Over Under	SG1 3P	22424	Uint32	4	R W	n/a	Over=0 Under=1
32-3	Direction	SG1 3P	22426	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-3	Alarm Configuration	SG1 3P	22428	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-3	Low-Line Scale	SG1 3P	22430	Float	4	R W	n/a	0.001 - 3
32-3	Mode	SG2 1P	22432	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-3	Source	SG2 1P	22434	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG2 1P	22436	Float	4	R W	Percent	1 - 200
32-3	Time Delay	SG2 1P	22438	Float	4	R W	Millisecond	0 - 600000
32-3	Over Under	SG2 1P	22440	Uint32	4	R W	n/a	Over=0 Under=1
32-3	Direction	SG2 1P	22442	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-3	Alarm Configuration	SG2 1P	22444	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-3	Low-Line Scale	SG2 1P	22446	Float	4	R W	n/a	0.001 - 3
32-3	Mode	SG2 3P	22448	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-3	Source	SG2 3P	22450	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG2 3P	22452	Float	4	R W	Percent	1 - 200
32-3	Time Delay	SG2 3P	22454	Float	4	R W	Millisecond	0 - 600000
32-3	Over Under	SG2 3P	22456	Uint32	4	R W	n/a	Over=0 Under=1
32-3	Direction	SG2 3P	22458	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-3	Alarm Configuration	SG2 3P	22460	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-3	Low-Line Scale	SG2 3P	22462	Float	4	R W	n/a	0.001 - 3
32-3	Mode	SG3 1P	22464	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-3	Source	SG3 1P	22466	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG3 1P	22468	Float	4	R W	Percent	1 - 200
32-3	Time Delay	SG3 1P	22470	Float	4	R W	Millisecond	0 - 600000
32-3	Over Under	SG3 1P	22472	Uint32	4	R W	n/a	Over=0 Under=1
32-3	Direction	SG3 1P	22474	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-3	Alarm Configuration	SG3 1P	22476	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-3	Low-Line Scale	SG3 1P	22478	Float	4	R W	n/a	0.001 - 3
32-3	Mode	SG3 3P	22480	Uint32	4	R W	n/a	Disabled=0 Enabled=4

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
32-3	Source	SG3 3P	22482	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG3 3P	22484	Float	4	R W	Percent	1 - 200
32-3	Time Delay	SG3 3P	22486	Float	4	R W	Millisecond	0 - 600000
32-3	Over Under	SG3 3P	22488	Uint32	4	R W	n/a	Over=0 Under=1
32-3	Direction	SG3 3P	22490	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-3	Alarm Configuration	SG3 3P	22492	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-3	Low-Line Scale	SG3 3P	22494	Float	4	R W	n/a	0.001 - 3
32-4	Mode	SG0 1P	22496	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-4	Source	SG0 1P	22498	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-4	Pickup	SG0 1P	22500	Float	4	R W	Percent	1 - 200
32-4	Time Delay	SG0 1P	22502	Float	4	R W	Millisecond	0 - 600000
32-4	Over Under	SG0 1P	22504	Uint32	4	R W	n/a	Over=0 Under=1
32-4	Direction	SG0 1P	22506	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-4	Alarm Configuration	SG0 1P	22508	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-4	Low-Line Scale	SG0 1P	22510	Float	4	R W	n/a	0.001 - 3
32-4	Mode	SG0 3P	22512	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-4	Source	SG0 3P	22514	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-4	Pickup	SG0 3P	22516	Float	4	R W	Percent	1 - 200
32-4	Time Delay	SG0 3P	22518	Float	4	R W	Millisecond	0 - 600000
32-4	Over Under	SG0 3P	22520	Uint32	4	R W	n/a	Over=0 Under=1
32-4	Direction	SG0 3P	22522	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-4	Alarm Configuration	SG0 3P	22524	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-4	Low-Line Scale	SG0 3P	22526	Float	4	R W	n/a	0.001 - 3
32-4	Mode	SG1 1P	22528	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-4	Source	SG1 1P	22530	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-4	Pickup	SG1 1P	22532	Float	4	R W	Percent	1 - 200
32-4	Time Delay	SG1 1P	22534	Float	4	R W	Millisecond	0 - 600000
32-4	Over Under	SG1 1P	22536	Uint32	4	R W	n/a	Over=0 Under=1
32-4	Direction	SG1 1P	22538	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-4	Alarm Configuration	SG1 1P	22540	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-4	Low-Line Scale	SG1 1P	22542	Float	4	R W	n/a	0.001 - 3
32-4	Mode	SG1 3P	22544	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-4	Source	SG1 3P	22546	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-4	Pickup	SG1 3P	22548	Float	4	R W	Percent	1 - 200
32-4	Time Delay	SG1 3P	22550	Float	4	R W	Millisecond	0 - 600000
32-4	Over Under	SG1 3P	22552	Uint32	4	R W	n/a	Over=0 Under=1
32-4	Direction	SG1 3P	22554	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-4	Alarm Configuration	SG1 3P	22556	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-4	Low-Line Scale	SG1 3P	22558	Float	4	R W	n/a	0.001 - 3
32-4	Mode	SG2 1P	22560	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-4	Source	SG2 1P	22562	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
32-4	Pickup	SG2 1P	22564	Float	4	R W	Percent	1 - 200
32-4	Time Delay	SG2 1P	22566	Float	4	R W	Millisecond	0 - 600000
32-4	Over Under	SG2 1P	22568	Uint32	4	R W	n/a	Over=0 Under=1
32-4	Direction	SG2 1P	22570	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-4	Alarm Configuration	SG2 1P	22572	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-4	Low-Line Scale	SG2 1P	22574	Float	4	R W	n/a	0.001 - 3
32-4	Mode	SG2 3P	22576	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-4	Source	SG2 3P	22578	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-4	Pickup	SG2 3P	22580	Float	4	R W	Percent	1 - 200
32-4	Time Delay	SG2 3P	22582	Float	4	R W	Millisecond	0 - 600000
32-4	Over Under	SG2 3P	22584	Uint32	4	R W	n/a	Over=0 Under=1
32-4	Direction	SG2 3P	22586	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-4	Alarm Configuration	SG2 3P	22588	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-4	Low-Line Scale	SG2 3P	22590	Float	4	R W	n/a	0.001 - 3
32-4	Mode	SG3 1P	22592	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-4	Source	SG3 1P	22594	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-4	Pickup	SG3 1P	22596	Float	4	R W	Percent	1 - 200
32-4	Time Delay	SG3 1P	22598	Float	4	R W	Millisecond	0 - 600000
32-4	Over Under	SG3 1P	22600	Uint32	4	R W	n/a	Over=0 Under=1
32-4	Direction	SG3 1P	22602	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-4	Alarm Configuration	SG3 1P	22604	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-4	Low-Line Scale	SG3 1P	22606	Float	4	R W	n/a	0.001 - 3
32-4	Mode	SG3 3P	22608	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-4	Source	SG3 3P	22610	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-4	Pickup	SG3 3P	22612	Float	4	R W	Percent	1 - 200
32-4	Time Delay	SG3 3P	22614	Float	4	R W	Millisecond	0 - 600000
32-4	Over Under	SG3 3P	22616	Uint32	4	R W	n/a	Over=0 Under=1
32-4	Direction	SG3 3P	22618	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-4	Alarm Configuration	SG3 3P	22620	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-4	Low-Line Scale	SG3 3P	22622	Float	4	R W	n/a	0.001 - 3
32-5	Mode	SG0 1P	22624	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-5	Source	SG0 1P	22626	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG0 1P	22628	Float	4	R W	Percent	1 - 200
32-5	Time Delay	SG0 1P	22630	Float	4	R W	Millisecond	0 - 600000
32-5	Over Under	SG0 1P	22632	Uint32	4	R W	n/a	Over=0 Under=1
32-5	Direction	SG0 1P	22634	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-5	Alarm Configuration	SG0 1P	22636	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-5	Low-Line Scale	SG0 1P	22638	Float	4	R W	n/a	0.001 - 3
32-5	Mode	SG0 3P	22640	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-5	Source	SG0 3P	22642	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG0 3P	22644	Float	4	R W	Percent	1 - 200
32-5	Time Delay	SG0 3P	22646	Float	4	R W	Millisecond	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
32-5	Over Under	SG0 3P	22648	Uint32	4	R W	n/a	Over=0 Under=1
32-5	Direction	SG0 3P	22650	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-5	Alarm Configuration	SG0 3P	22652	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-5	Low-Line Scale	SG0 3P	22654	Float	4	R W	n/a	0.001 - 3
32-5	Mode	SG1 1P	22656	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-5	Source	SG1 1P	22658	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG1 1P	22660	Float	4	R W	Percent	1 - 200
32-5	Time Delay	SG1 1P	22662	Float	4	R W	Millisecond	0 - 600000
32-5	Over Under	SG1 1P	22664	Uint32	4	R W	n/a	Over=0 Under=1
32-5	Direction	SG1 1P	22666	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-5	Alarm Configuration	SG1 1P	22668	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-5	Low-Line Scale	SG1 1P	22670	Float	4	R W	n/a	0.001 - 3
32-5	Mode	SG1 3P	22672	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-5	Source	SG1 3P	22674	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG1 3P	22676	Float	4	R W	Percent	1 - 200
32-5	Time Delay	SG1 3P	22678	Float	4	R W	Millisecond	0 - 600000
32-5	Over Under	SG1 3P	22680	Uint32	4	R W	n/a	Over=0 Under=1
32-5	Direction	SG1 3P	22682	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-5	Alarm Configuration	SG1 3P	22684	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-5	Low-Line Scale	SG1 3P	22686	Float	4	R W	n/a	0.001 - 3
32-5	Mode	SG2 1P	22688	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-5	Source	SG2 1P	22690	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG2 1P	22692	Float	4	R W	Percent	1 - 200
32-5	Time Delay	SG2 1P	22694	Float	4	R W	Millisecond	0 - 600000
32-5	Over Under	SG2 1P	22696	Uint32	4	R W	n/a	Over=0 Under=1
32-5	Direction	SG2 1P	22698	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-5	Alarm Configuration	SG2 1P	22700	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-5	Low-Line Scale	SG2 1P	22702	Float	4	R W	n/a	0.001 - 3
32-5	Mode	SG2 3P	22704	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-5	Source	SG2 3P	22706	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG2 3P	22708	Float	4	R W	Percent	1 - 200
32-5	Time Delay	SG2 3P	22710	Float	4	R W	Millisecond	0 - 600000
32-5	Over Under	SG2 3P	22712	Uint32	4	R W	n/a	Over=0 Under=1
32-5	Direction	SG2 3P	22714	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-5	Alarm Configuration	SG2 3P	22716	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-5	Low-Line Scale	SG2 3P	22718	Float	4	R W	n/a	0.001 - 3
32-5	Mode	SG3 1P	22720	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-5	Source	SG3 1P	22722	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG3 1P	22724	Float	4	R W	Percent	1 - 200
32-5	Time Delay	SG3 1P	22726	Float	4	R W	Millisecond	0 - 600000
32-5	Over Under	SG3 1P	22728	Uint32	4	R W	n/a	Over=0 Under=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
32-5	Direction	SG3 1P	22730	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-5	Alarm Configuration	SG3 1P	22732	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-5	Low-Line Scale	SG3 1P	22734	Float	4	R W	n/a	0.001 - 3
32-5	Mode	SG3 3P	22736	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-5	Source	SG3 3P	22738	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG3 3P	22740	Float	4	R W	Percent	1 - 200
32-5	Time Delay	SG3 3P	22742	Float	4	R W	Millisecond	0 - 600000
32-5	Over Under	SG3 3P	22744	Uint32	4	R W	n/a	Over=0 Under=1
32-5	Direction	SG3 3P	22746	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-5	Alarm Configuration	SG3 3P	22748	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-5	Low-Line Scale	SG3 3P	22750	Float	4	R W	n/a	0.001 - 3
32-6	Mode	SG0 1P	22752	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-6	Source	SG0 1P	22754	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG0 1P	22756	Float	4	R W	Percent	1 - 200
32-6	Time Delay	SG0 1P	22758	Float	4	R W	Millisecond	0 - 600000
32-6	Over Under	SG0 1P	22760	Uint32	4	R W	n/a	Over=0 Under=1
32-6	Direction	SG0 1P	22762	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-6	Alarm Configuration	SG0 1P	22764	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-6	Low-Line Scale	SG0 1P	22766	Float	4	R W	n/a	0.001 - 3
32-6	Mode	SG0 3P	22768	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-6	Source	SG0 3P	22770	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG0 3P	22772	Float	4	R W	Percent	1 - 200
32-6	Time Delay	SG0 3P	22774	Float	4	R W	Millisecond	0 - 600000
32-6	Over Under	SG0 3P	22776	Uint32	4	R W	n/a	Over=0 Under=1
32-6	Direction	SG0 3P	22778	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-6	Alarm Configuration	SG0 3P	22780	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-6	Low-Line Scale	SG0 3P	22782	Float	4	R W	n/a	0.001 - 3
32-6	Mode	SG1 1P	22784	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-6	Source	SG1 1P	22786	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG1 1P	22788	Float	4	R W	Percent	1 - 200
32-6	Time Delay	SG1 1P	22790	Float	4	R W	Millisecond	0 - 600000
32-6	Over Under	SG1 1P	22792	Uint32	4	R W	n/a	Over=0 Under=1
32-6	Direction	SG1 1P	22794	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-6	Alarm Configuration	SG1 1P	22796	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-6	Low-Line Scale	SG1 1P	22798	Float	4	R W	n/a	0.001 - 3
32-6	Mode	SG1 3P	22800	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-6	Source	SG1 3P	22802	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG1 3P	22804	Float	4	R W	Percent	1 - 200
32-6	Time Delay	SG1 3P	22806	Float	4	R W	Millisecond	0 - 600000
32-6	Over Under	SG1 3P	22808	Uint32	4	R W	n/a	Over=0 Under=1
32-6	Direction	SG1 3P	22810	Uint32	4	R W	n/a	Forward=0 Reverse=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
32-6	Alarm Configuration	SG1 3P	22812	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-6	Low-Line Scale	SG1 3P	22814	Float	4	R W	n/a	0.001 - 3
32-6	Mode	SG2 1P	22816	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-6	Source	SG2 1P	22818	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG2 1P	22820	Float	4	R W	Percent	1 - 200
32-6	Time Delay	SG2 1P	22822	Float	4	R W	Millisecond	0 - 600000
32-6	Over Under	SG2 1P	22824	Uint32	4	R W	n/a	Over=0 Under=1
32-6	Direction	SG2 1P	22826	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-6	Alarm Configuration	SG2 1P	22828	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-6	Low-Line Scale	SG2 1P	22830	Float	4	R W	n/a	0.001 - 3
32-6	Mode	SG2 3P	22832	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-6	Source	SG2 3P	22834	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG2 3P	22836	Float	4	R W	Percent	1 - 200
32-6	Time Delay	SG2 3P	22838	Float	4	R W	Millisecond	0 - 600000
32-6	Over Under	SG2 3P	22840	Uint32	4	R W	n/a	Over=0 Under=1
32-6	Direction	SG2 3P	22842	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-6	Alarm Configuration	SG2 3P	22844	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-6	Low-Line Scale	SG2 3P	22846	Float	4	R W	n/a	0.001 - 3
32-6	Mode	SG3 1P	22848	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-6	Source	SG3 1P	22850	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG3 1P	22852	Float	4	R W	Percent	1 - 200
32-6	Time Delay	SG3 1P	22854	Float	4	R W	Millisecond	0 - 600000
32-6	Over Under	SG3 1P	22856	Uint32	4	R W	n/a	Over=0 Under=1
32-6	Direction	SG3 1P	22858	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-6	Alarm Configuration	SG3 1P	22860	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-6	Low-Line Scale	SG3 1P	22862	Float	4	R W	n/a	0.001 - 3
32-6	Mode	SG3 3P	22864	Uint32	4	R W	n/a	Disabled=0 Enabled=4
32-6	Source	SG3 3P	22866	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG3 3P	22868	Float	4	R W	Percent	1 - 200
32-6	Time Delay	SG3 3P	22870	Float	4	R W	Millisecond	0 - 600000
32-6	Over Under	SG3 3P	22872	Uint32	4	R W	n/a	Over=0 Under=1
32-6	Direction	SG3 3P	22874	Uint32	4	R W	n/a	Forward=0 Reverse=1
32-6	Alarm Configuration	SG3 3P	22876	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
32-6	Low-Line Scale	SG3 3P	22878	Float	4	R W	n/a	0.001 - 3
51-1	Mode	SG0 1P	22880	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG0 1P	22882	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG0 1P	22884	Float	4	R W	Amp	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-1	Curve Index	SG0 1P	22886	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-1	Direction	SG0 1P	22888	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG0 1P	22890	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG0 1P	22892	Float	4	R W	n/a	0 - 9.9
51-1	Constant A	SG0 1P	22894	Float	4	R W	n/a	0 - 600
51-1	Constant B	SG0 1P	22896	Float	4	R W	n/a	0 - 25
51-1	Constant C	SG0 1P	22898	Float	4	R W	n/a	0 - 1
51-1	Constant N	SG0 1P	22900	Float	4	R W	n/a	0.5 - 2.5
51-1	Constant R	SG0 1P	22902	Float	4	R W	n/a	0 - 30
51-1	Voltage Restraint Setpoint	SG0 1P	22904	Float	4	R W	Volt	30 - 250
51-1	Voltage Restraint Mode	SG0 1P	22906	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-1	Alarm Configuration	SG0 1P	22908	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-1	Low-Line Scale	SG0 1P	22910	Float	4	R W	n/a	0.001 - 3
51-1	Voltage Restraint Source	SG0 1P	22912	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG0 1P	22914	Float	4	R W	n/a	0.1 - 10
51-1	Mode	SG0 3P	22916	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG0 3P	22918	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG0 3P	22920	Float	4	R W	Amp	0.9 - 7.75
51-1	Curve Index	SG0 3P	22922	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-1	Direction	SG0 3P	22924	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG0 3P	22926	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG0 3P	22928	Float	4	R W	n/a	0 - 9.9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-1	Constant A	SG0 3P	22930	Float	4	R W	n/a	0 - 600
51-1	Constant B	SG0 3P	22932	Float	4	R W	n/a	0 - 25
51-1	Constant C	SG0 3P	22934	Float	4	R W	n/a	0 - 1
51-1	Constant N	SG0 3P	22936	Float	4	R W	n/a	0.5 - 2.5
51-1	Constant R	SG0 3P	22938	Float	4	R W	n/a	0 - 30
51-1	Voltage Restraint Setpoint	SG0 3P	22940	Float	4	R W	Volt	30 - 250
51-1	Voltage Restraint Mode	SG0 3P	22942	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-1	Alarm Configuration	SG0 3P	22944	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-1	Low-Line Scale	SG0 3P	22946	Float	4	R W	n/a	0.001 - 3
51-1	Voltage Restraint Source	SG0 3P	22948	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG0 3P	22950	Float	4	R W	n/a	0.1 - 10
51-1	Mode	SG1 1P	22952	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG1 1P	22954	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG1 1P	22956	Float	4	R W	Amp	0.9 - 7.75
51-1	Curve Index	SG1 1P	22958	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-1	Direction	SG1 1P	22960	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG1 1P	22962	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG1 1P	22964	Float	4	R W	n/a	0 - 9.9
51-1	Constant A	SG1 1P	22966	Float	4	R W	n/a	0 - 600
51-1	Constant B	SG1 1P	22968	Float	4	R W	n/a	0 - 25
51-1	Constant C	SG1 1P	22970	Float	4	R W	n/a	0 - 1
51-1	Constant N	SG1 1P	22972	Float	4	R W	n/a	0.5 - 2.5
51-1	Constant R	SG1 1P	22974	Float	4	R W	n/a	0 - 30
51-1	Voltage Restraint Setpoint	SG1 1P	22976	Float	4	R W	Volt	30 - 250
51-1	Voltage Restraint Mode	SG1 1P	22978	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-1	Alarm Configuration	SG1 1P	22980	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-1	Low-Line Scale	SG1 1P	22982	Float	4	R W	n/a	0.001 - 3
51-1	Voltage Restraint Source	SG1 1P	22984	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG1 1P	22986	Float	4	R W	n/a	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-1	Mode	SG1 3P	22988	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG1 3P	22990	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG1 3P	22992	Float	4	R W	Amp	0.9 - 7.75
51-1	Curve Index	SG1 3P	22994	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-1	Direction	SG1 3P	22996	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG1 3P	22998	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG1 3P	23000	Float	4	R W	n/a	0 - 9.9
51-1	Constant A	SG1 3P	23002	Float	4	R W	n/a	0 - 600
51-1	Constant B	SG1 3P	23004	Float	4	R W	n/a	0 - 25
51-1	Constant C	SG1 3P	23006	Float	4	R W	n/a	0 - 1
51-1	Constant N	SG1 3P	23008	Float	4	R W	n/a	0.5 - 2.5
51-1	Constant R	SG1 3P	23010	Float	4	R W	n/a	0 - 30
51-1	Voltage Restraint Setpoint	SG1 3P	23012	Float	4	R W	Volt	30 - 250
51-1	Voltage Restraint Mode	SG1 3P	23014	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-1	Alarm Configuration	SG1 3P	23016	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-1	Low-Line Scale	SG1 3P	23018	Float	4	R W	n/a	0.001 - 3
51-1	Voltage Restraint Source	SG1 3P	23020	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG1 3P	23022	Float	4	R W	n/a	0.1 - 10
51-1	Mode	SG2 1P	23024	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG2 1P	23026	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG2 1P	23028	Float	4	R W	Amp	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-1	Curve Index	SG2 1P	23030	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-1	Direction	SG2 1P	23032	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG2 1P	23034	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG2 1P	23036	Float	4	R W	n/a	0 - 9.9
51-1	Constant A	SG2 1P	23038	Float	4	R W	n/a	0 - 600
51-1	Constant B	SG2 1P	23040	Float	4	R W	n/a	0 - 25
51-1	Constant C	SG2 1P	23042	Float	4	R W	n/a	0 - 1
51-1	Constant N	SG2 1P	23044	Float	4	R W	n/a	0.5 - 2.5
51-1	Constant R	SG2 1P	23046	Float	4	R W	n/a	0 - 30
51-1	Voltage Restraint Setpoint	SG2 1P	23048	Float	4	R W	Volt	30 - 250
51-1	Voltage Restraint Mode	SG2 1P	23050	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-1	Alarm Configuration	SG2 1P	23052	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-1	Low-Line Scale	SG2 1P	23054	Float	4	R W	n/a	0.001 - 3
51-1	Voltage Restraint Source	SG2 1P	23056	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG2 1P	23058	Float	4	R W	n/a	0.1 - 10
51-1	Mode	SG2 3P	23060	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG2 3P	23062	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG2 3P	23064	Float	4	R W	Amp	0.9 - 7.75
51-1	Curve Index	SG2 3P	23066	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-1	Direction	SG2 3P	23068	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG2 3P	23070	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG2 3P	23072	Float	4	R W	n/a	0 - 9.9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-1	Constant A	SG2 3P	23074	Float	4	R W	n/a	0 - 600
51-1	Constant B	SG2 3P	23076	Float	4	R W	n/a	0 - 25
51-1	Constant C	SG2 3P	23078	Float	4	R W	n/a	0 - 1
51-1	Constant N	SG2 3P	23080	Float	4	R W	n/a	0.5 - 2.5
51-1	Constant R	SG2 3P	23082	Float	4	R W	n/a	0 - 30
51-1	Voltage Restraint Setpoint	SG2 3P	23084	Float	4	R W	Volt	30 - 250
51-1	Voltage Restraint Mode	SG2 3P	23086	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-1	Alarm Configuration	SG2 3P	23088	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-1	Low-Line Scale	SG2 3P	23090	Float	4	R W	n/a	0.001 - 3
51-1	Voltage Restraint Source	SG2 3P	23092	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG2 3P	23094	Float	4	R W	n/a	0.1 - 10
51-1	Mode	SG3 1P	23096	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG3 1P	23098	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG3 1P	23100	Float	4	R W	Amp	0.9 - 7.75
51-1	Curve Index	SG3 1P	23102	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-1	Direction	SG3 1P	23104	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG3 1P	23106	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG3 1P	23108	Float	4	R W	n/a	0 - 9.9
51-1	Constant A	SG3 1P	23110	Float	4	R W	n/a	0 - 600
51-1	Constant B	SG3 1P	23112	Float	4	R W	n/a	0 - 25
51-1	Constant C	SG3 1P	23114	Float	4	R W	n/a	0 - 1
51-1	Constant N	SG3 1P	23116	Float	4	R W	n/a	0.5 - 2.5
51-1	Constant R	SG3 1P	23118	Float	4	R W	n/a	0 - 30
51-1	Voltage Restraint Setpoint	SG3 1P	23120	Float	4	R W	Volt	30 - 250
51-1	Voltage Restraint Mode	SG3 1P	23122	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-1	Alarm Configuration	SG3 1P	23124	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-1	Low-Line Scale	SG3 1P	23126	Float	4	R W	n/a	0.001 - 3
51-1	Voltage Restraint Source	SG3 1P	23128	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG3 1P	23130	Float	4	R W	n/a	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-1	Mode	SG3 3P	23132	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG3 3P	23134	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG3 3P	23136	Float	4	R W	Amp	0.9 - 7.75
51-1	Curve Index	SG3 3P	23138	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-1	Direction	SG3 3P	23140	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG3 3P	23142	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG3 3P	23144	Float	4	R W	n/a	0 - 9.9
51-1	Constant A	SG3 3P	23146	Float	4	R W	n/a	0 - 600
51-1	Constant B	SG3 3P	23148	Float	4	R W	n/a	0 - 25
51-1	Constant C	SG3 3P	23150	Float	4	R W	n/a	0 - 1
51-1	Constant N	SG3 3P	23152	Float	4	R W	n/a	0.5 - 2.5
51-1	Constant R	SG3 3P	23154	Float	4	R W	n/a	0 - 30
51-1	Voltage Restraint Setpoint	SG3 3P	23156	Float	4	R W	Volt	30 - 250
51-1	Voltage Restraint Mode	SG3 3P	23158	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-1	Alarm Configuration	SG3 3P	23160	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-1	Low-Line Scale	SG3 3P	23162	Float	4	R W	n/a	0.001 - 3
51-1	Voltage Restraint Source	SG3 3P	23164	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG3 3P	23166	Float	4	R W	n/a	0.1 - 10
51-2	Mode	SG0 1P	23168	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG0 1P	23170	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG0 1P	23172	Float	4	R W	Amp	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-2	Curve Index	SG0 1P	23174	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-2	Direction	SG0 1P	23176	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG0 1P	23178	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG0 1P	23180	Float	4	R W	n/a	0 - 9.9
51-2	Constant A	SG0 1P	23182	Float	4	R W	n/a	0 - 600
51-2	Constant B	SG0 1P	23184	Float	4	R W	n/a	0 - 25
51-2	Constant C	SG0 1P	23186	Float	4	R W	n/a	0 - 1
51-2	Constant N	SG0 1P	23188	Float	4	R W	n/a	0.5 - 2.5
51-2	Constant R	SG0 1P	23190	Float	4	R W	n/a	0 - 30
51-2	Voltage Restraint Setpoint	SG0 1P	23192	Float	4	R W	Volt	30 - 250
51-2	Voltage Restraint Mode	SG0 1P	23194	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-2	Alarm Configuration	SG0 1P	23196	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-2	Low-Line Scale	SG0 1P	23198	Float	4	R W	n/a	0.001 - 3
51-2	Voltage Restraint Source	SG0 1P	23200	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG0 1P	23202	Float	4	R W	n/a	0.1 - 10
51-2	Mode	SG0 3P	23204	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG0 3P	23206	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG0 3P	23208	Float	4	R W	Amp	0.9 - 7.75
51-2	Curve Index	SG0 3P	23210	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-2	Direction	SG0 3P	23212	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG0 3P	23214	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG0 3P	23216	Float	4	R W	n/a	0 - 9.9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-2	Constant A	SG0 3P	23218	Float	4	R W	n/a	0 - 600
51-2	Constant B	SG0 3P	23220	Float	4	R W	n/a	0 - 25
51-2	Constant C	SG0 3P	23222	Float	4	R W	n/a	0 - 1
51-2	Constant N	SG0 3P	23224	Float	4	R W	n/a	0.5 - 2.5
51-2	Constant R	SG0 3P	23226	Float	4	R W	n/a	0 - 30
51-2	Voltage Restraint Setpoint	SG0 3P	23228	Float	4	R W	Volt	30 - 250
51-2	Voltage Restraint Mode	SG0 3P	23230	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-2	Alarm Configuration	SG0 3P	23232	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-2	Low-Line Scale	SG0 3P	23234	Float	4	R W	n/a	0.001 - 3
51-2	Voltage Restraint Source	SG0 3P	23236	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG0 3P	23238	Float	4	R W	n/a	0.1 - 10
51-2	Mode	SG1 1P	23240	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG1 1P	23242	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG1 1P	23244	Float	4	R W	Amp	0.9 - 7.75
51-2	Curve Index	SG1 1P	23246	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-2	Direction	SG1 1P	23248	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG1 1P	23250	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG1 1P	23252	Float	4	R W	n/a	0 - 9.9
51-2	Constant A	SG1 1P	23254	Float	4	R W	n/a	0 - 600
51-2	Constant B	SG1 1P	23256	Float	4	R W	n/a	0 - 25
51-2	Constant C	SG1 1P	23258	Float	4	R W	n/a	0 - 1
51-2	Constant N	SG1 1P	23260	Float	4	R W	n/a	0.5 - 2.5
51-2	Constant R	SG1 1P	23262	Float	4	R W	n/a	0 - 30
51-2	Voltage Restraint Setpoint	SG1 1P	23264	Float	4	R W	Volt	30 - 250
51-2	Voltage Restraint Mode	SG1 1P	23266	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-2	Alarm Configuration	SG1 1P	23268	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-2	Low-Line Scale	SG1 1P	23270	Float	4	R W	n/a	0.001 - 3
51-2	Voltage Restraint Source	SG1 1P	23272	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG1 1P	23274	Float	4	R W	n/a	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-2	Mode	SG1 3P	23276	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG1 3P	23278	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG1 3P	23280	Float	4	R W	Amp	0.9 - 7.75
51-2	Curve Index	SG1 3P	23282	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-2	Direction	SG1 3P	23284	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG1 3P	23286	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG1 3P	23288	Float	4	R W	n/a	0 - 9.9
51-2	Constant A	SG1 3P	23290	Float	4	R W	n/a	0 - 600
51-2	Constant B	SG1 3P	23292	Float	4	R W	n/a	0 - 25
51-2	Constant C	SG1 3P	23294	Float	4	R W	n/a	0 - 1
51-2	Constant N	SG1 3P	23296	Float	4	R W	n/a	0.5 - 2.5
51-2	Constant R	SG1 3P	23298	Float	4	R W	n/a	0 - 30
51-2	Voltage Restraint Setpoint	SG1 3P	23300	Float	4	R W	Volt	30 - 250
51-2	Voltage Restraint Mode	SG1 3P	23302	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-2	Alarm Configuration	SG1 3P	23304	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-2	Low-Line Scale	SG1 3P	23306	Float	4	R W	n/a	0.001 - 3
51-2	Voltage Restraint Source	SG1 3P	23308	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG1 3P	23310	Float	4	R W	n/a	0.1 - 10
51-2	Mode	SG2 1P	23312	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG2 1P	23314	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG2 1P	23316	Float	4	R W	Amp	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-2	Curve Index	SG2 1P	23318	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-2	Direction	SG2 1P	23320	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG2 1P	23322	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG2 1P	23324	Float	4	R W	n/a	0 - 9.9
51-2	Constant A	SG2 1P	23326	Float	4	R W	n/a	0 - 600
51-2	Constant B	SG2 1P	23328	Float	4	R W	n/a	0 - 25
51-2	Constant C	SG2 1P	23330	Float	4	R W	n/a	0 - 1
51-2	Constant N	SG2 1P	23332	Float	4	R W	n/a	0.5 - 2.5
51-2	Constant R	SG2 1P	23334	Float	4	R W	n/a	0 - 30
51-2	Voltage Restraint Setpoint	SG2 1P	23336	Float	4	R W	Volt	30 - 250
51-2	Voltage Restraint Mode	SG2 1P	23338	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-2	Alarm Configuration	SG2 1P	23340	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-2	Low-Line Scale	SG2 1P	23342	Float	4	R W	n/a	0.001 - 3
51-2	Voltage Restraint Source	SG2 1P	23344	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG2 1P	23346	Float	4	R W	n/a	0.1 - 10
51-2	Mode	SG2 3P	23348	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG2 3P	23350	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG2 3P	23352	Float	4	R W	Amp	0.9 - 7.75
51-2	Curve Index	SG2 3P	23354	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-2	Direction	SG2 3P	23356	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG2 3P	23358	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG2 3P	23360	Float	4	R W	n/a	0 - 9.9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-2	Constant A	SG2 3P	23362	Float	4	R W	n/a	0 - 600
51-2	Constant B	SG2 3P	23364	Float	4	R W	n/a	0 - 25
51-2	Constant C	SG2 3P	23366	Float	4	R W	n/a	0 - 1
51-2	Constant N	SG2 3P	23368	Float	4	R W	n/a	0.5 - 2.5
51-2	Constant R	SG2 3P	23370	Float	4	R W	n/a	0 - 30
51-2	Voltage Restraint Setpoint	SG2 3P	23372	Float	4	R W	Volt	30 - 250
51-2	Voltage Restraint Mode	SG2 3P	23374	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-2	Alarm Configuration	SG2 3P	23376	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-2	Low-Line Scale	SG2 3P	23378	Float	4	R W	n/a	0.001 - 3
51-2	Voltage Restraint Source	SG2 3P	23380	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG2 3P	23382	Float	4	R W	n/a	0.1 - 10
51-2	Mode	SG3 1P	23384	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG3 1P	23386	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG3 1P	23388	Float	4	R W	Amp	0.9 - 7.75
51-2	Curve Index	SG3 1P	23390	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-2	Direction	SG3 1P	23392	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG3 1P	23394	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG3 1P	23396	Float	4	R W	n/a	0 - 9.9
51-2	Constant A	SG3 1P	23398	Float	4	R W	n/a	0 - 600
51-2	Constant B	SG3 1P	23400	Float	4	R W	n/a	0 - 25
51-2	Constant C	SG3 1P	23402	Float	4	R W	n/a	0 - 1
51-2	Constant N	SG3 1P	23404	Float	4	R W	n/a	0.5 - 2.5
51-2	Constant R	SG3 1P	23406	Float	4	R W	n/a	0 - 30
51-2	Voltage Restraint Setpoint	SG3 1P	23408	Float	4	R W	Volt	30 - 250
51-2	Voltage Restraint Mode	SG3 1P	23410	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-2	Alarm Configuration	SG3 1P	23412	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-2	Low-Line Scale	SG3 1P	23414	Float	4	R W	n/a	0.001 - 3
51-2	Voltage Restraint Source	SG3 1P	23416	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG3 1P	23418	Float	4	R W	n/a	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-2	Mode	SG3 3P	23420	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG3 3P	23422	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG3 3P	23424	Float	4	R W	Amp	0.9 - 7.75
51-2	Curve Index	SG3 3P	23426	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-2	Direction	SG3 3P	23428	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG3 3P	23430	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG3 3P	23432	Float	4	R W	n/a	0 - 9.9
51-2	Constant A	SG3 3P	23434	Float	4	R W	n/a	0 - 600
51-2	Constant B	SG3 3P	23436	Float	4	R W	n/a	0 - 25
51-2	Constant C	SG3 3P	23438	Float	4	R W	n/a	0 - 1
51-2	Constant N	SG3 3P	23440	Float	4	R W	n/a	0.5 - 2.5
51-2	Constant R	SG3 3P	23442	Float	4	R W	n/a	0 - 30
51-2	Voltage Restraint Setpoint	SG3 3P	23444	Float	4	R W	Volt	30 - 250
51-2	Voltage Restraint Mode	SG3 3P	23446	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-2	Alarm Configuration	SG3 3P	23448	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-2	Low-Line Scale	SG3 3P	23450	Float	4	R W	n/a	0.001 - 3
51-2	Voltage Restraint Source	SG3 3P	23452	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG3 3P	23454	Float	4	R W	n/a	0.1 - 10
51-3	Mode	SG0 1P	23456	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG0 1P	23458	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG0 1P	23460	Float	4	R W	Amp	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-3	Curve Index	SG0 1P	23462	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-3	Direction	SG0 1P	23464	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG0 1P	23466	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG0 1P	23468	Float	4	R W	n/a	0 - 9.9
51-3	Constant A	SG0 1P	23470	Float	4	R W	n/a	0 - 600
51-3	Constant B	SG0 1P	23472	Float	4	R W	n/a	0 - 25
51-3	Constant C	SG0 1P	23474	Float	4	R W	n/a	0 - 1
51-3	Constant N	SG0 1P	23476	Float	4	R W	n/a	0.5 - 2.5
51-3	Constant R	SG0 1P	23478	Float	4	R W	n/a	0 - 30
51-3	Voltage Restraint Setpoint	SG0 1P	23480	Float	4	R W	Volt	30 - 250
51-3	Voltage Restraint Mode	SG0 1P	23482	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-3	Alarm Configuration	SG0 1P	23484	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-3	Low-Line Scale	SG0 1P	23486	Float	4	R W	n/a	0.001 - 3
51-3	Voltage Restraint Source	SG0 1P	23488	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG0 1P	23490	Float	4	R W	n/a	0.1 - 10
51-3	Mode	SG0 3P	23492	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG0 3P	23494	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG0 3P	23496	Float	4	R W	Amp	0.9 - 7.75
51-3	Curve Index	SG0 3P	23498	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-3	Direction	SG0 3P	23500	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG0 3P	23502	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG0 3P	23504	Float	4	R W	n/a	0 - 9.9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-3	Constant A	SG0 3P	23506	Float	4	R W	n/a	0 - 600
51-3	Constant B	SG0 3P	23508	Float	4	R W	n/a	0 - 25
51-3	Constant C	SG0 3P	23510	Float	4	R W	n/a	0 - 1
51-3	Constant N	SG0 3P	23512	Float	4	R W	n/a	0.5 - 2.5
51-3	Constant R	SG0 3P	23514	Float	4	R W	n/a	0 - 30
51-3	Voltage Restraint Setpoint	SG0 3P	23516	Float	4	R W	Volt	30 - 250
51-3	Voltage Restraint Mode	SG0 3P	23518	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-3	Alarm Configuration	SG0 3P	23520	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-3	Low-Line Scale	SG0 3P	23522	Float	4	R W	n/a	0.001 - 3
51-3	Voltage Restraint Source	SG0 3P	23524	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG0 3P	23526	Float	4	R W	n/a	0.1 - 10
51-3	Mode	SG1 1P	23528	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG1 1P	23530	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG1 1P	23532	Float	4	R W	Amp	0.9 - 7.75
51-3	Curve Index	SG1 1P	23534	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-3	Direction	SG1 1P	23536	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG1 1P	23538	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG1 1P	23540	Float	4	R W	n/a	0 - 9.9
51-3	Constant A	SG1 1P	23542	Float	4	R W	n/a	0 - 600
51-3	Constant B	SG1 1P	23544	Float	4	R W	n/a	0 - 25
51-3	Constant C	SG1 1P	23546	Float	4	R W	n/a	0 - 1
51-3	Constant N	SG1 1P	23548	Float	4	R W	n/a	0.5 - 2.5
51-3	Constant R	SG1 1P	23550	Float	4	R W	n/a	0 - 30
51-3	Voltage Restraint Setpoint	SG1 1P	23552	Float	4	R W	Volt	30 - 250
51-3	Voltage Restraint Mode	SG1 1P	23554	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-3	Alarm Configuration	SG1 1P	23556	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-3	Low-Line Scale	SG1 1P	23558	Float	4	R W	n/a	0.001 - 3
51-3	Voltage Restraint Source	SG1 1P	23560	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG1 1P	23562	Float	4	R W	n/a	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-3	Mode	SG1 3P	23564	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG1 3P	23566	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG1 3P	23568	Float	4	R W	Amp	0.9 - 7.75
51-3	Curve Index	SG1 3P	23570	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-3	Direction	SG1 3P	23572	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG1 3P	23574	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG1 3P	23576	Float	4	R W	n/a	0 - 9.9
51-3	Constant A	SG1 3P	23578	Float	4	R W	n/a	0 - 600
51-3	Constant B	SG1 3P	23580	Float	4	R W	n/a	0 - 25
51-3	Constant C	SG1 3P	23582	Float	4	R W	n/a	0 - 1
51-3	Constant N	SG1 3P	23584	Float	4	R W	n/a	0.5 - 2.5
51-3	Constant R	SG1 3P	23586	Float	4	R W	n/a	0 - 30
51-3	Voltage Restraint Setpoint	SG1 3P	23588	Float	4	R W	Volt	30 - 250
51-3	Voltage Restraint Mode	SG1 3P	23590	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-3	Alarm Configuration	SG1 3P	23592	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-3	Low-Line Scale	SG1 3P	23594	Float	4	R W	n/a	0.001 - 3
51-3	Voltage Restraint Source	SG1 3P	23596	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG1 3P	23598	Float	4	R W	n/a	0.1 - 10
51-3	Mode	SG2 1P	23600	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG2 1P	23602	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG2 1P	23604	Float	4	R W	Amp	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-3	Curve Index	SG2 1P	23606	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-3	Direction	SG2 1P	23608	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG2 1P	23610	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG2 1P	23612	Float	4	R W	n/a	0 - 9.9
51-3	Constant A	SG2 1P	23614	Float	4	R W	n/a	0 - 600
51-3	Constant B	SG2 1P	23616	Float	4	R W	n/a	0 - 25
51-3	Constant C	SG2 1P	23618	Float	4	R W	n/a	0 - 1
51-3	Constant N	SG2 1P	23620	Float	4	R W	n/a	0.5 - 2.5
51-3	Constant R	SG2 1P	23622	Float	4	R W	n/a	0 - 30
51-3	Voltage Restraint Setpoint	SG2 1P	23624	Float	4	R W	Volt	30 - 250
51-3	Voltage Restraint Mode	SG2 1P	23626	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-3	Alarm Configuration	SG2 1P	23628	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-3	Low-Line Scale	SG2 1P	23630	Float	4	R W	n/a	0.001 - 3
51-3	Voltage Restraint Source	SG2 1P	23632	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG2 1P	23634	Float	4	R W	n/a	0.1 - 10
51-3	Mode	SG2 3P	23636	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG2 3P	23638	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG2 3P	23640	Float	4	R W	Amp	0.9 - 7.75
51-3	Curve Index	SG2 3P	23642	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-3	Direction	SG2 3P	23644	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG2 3P	23646	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG2 3P	23648	Float	4	R W	n/a	0 - 9.9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-3	Constant A	SG2 3P	23650	Float	4	R W	n/a	0 - 600
51-3	Constant B	SG2 3P	23652	Float	4	R W	n/a	0 - 25
51-3	Constant C	SG2 3P	23654	Float	4	R W	n/a	0 - 1
51-3	Constant N	SG2 3P	23656	Float	4	R W	n/a	0.5 - 2.5
51-3	Constant R	SG2 3P	23658	Float	4	R W	n/a	0 - 30
51-3	Voltage Restraint Setpoint	SG2 3P	23660	Float	4	R W	Volt	30 - 250
51-3	Voltage Restraint Mode	SG2 3P	23662	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-3	Alarm Configuration	SG2 3P	23664	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-3	Low-Line Scale	SG2 3P	23666	Float	4	R W	n/a	0.001 - 3
51-3	Voltage Restraint Source	SG2 3P	23668	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG2 3P	23670	Float	4	R W	n/a	0.1 - 10
51-3	Mode	SG3 1P	23672	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG3 1P	23674	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG3 1P	23676	Float	4	R W	Amp	0.9 - 7.75
51-3	Curve Index	SG3 1P	23678	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-3	Direction	SG3 1P	23680	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG3 1P	23682	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG3 1P	23684	Float	4	R W	n/a	0 - 9.9
51-3	Constant A	SG3 1P	23686	Float	4	R W	n/a	0 - 600
51-3	Constant B	SG3 1P	23688	Float	4	R W	n/a	0 - 25
51-3	Constant C	SG3 1P	23690	Float	4	R W	n/a	0 - 1
51-3	Constant N	SG3 1P	23692	Float	4	R W	n/a	0.5 - 2.5
51-3	Constant R	SG3 1P	23694	Float	4	R W	n/a	0 - 30
51-3	Voltage Restraint Setpoint	SG3 1P	23696	Float	4	R W	Volt	30 - 250
51-3	Voltage Restraint Mode	SG3 1P	23698	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-3	Alarm Configuration	SG3 1P	23700	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-3	Low-Line Scale	SG3 1P	23702	Float	4	R W	n/a	0.001 - 3
51-3	Voltage Restraint Source	SG3 1P	23704	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG3 1P	23706	Float	4	R W	n/a	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-3	Mode	SG3 3P	23708	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG3 3P	23710	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG3 3P	23712	Float	4	R W	Amp	0.9 - 7.75
51-3	Curve Index	SG3 3P	23714	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-3	Direction	SG3 3P	23716	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG3 3P	23718	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG3 3P	23720	Float	4	R W	n/a	0 - 9.9
51-3	Constant A	SG3 3P	23722	Float	4	R W	n/a	0 - 600
51-3	Constant B	SG3 3P	23724	Float	4	R W	n/a	0 - 25
51-3	Constant C	SG3 3P	23726	Float	4	R W	n/a	0 - 1
51-3	Constant N	SG3 3P	23728	Float	4	R W	n/a	0.5 - 2.5
51-3	Constant R	SG3 3P	23730	Float	4	R W	n/a	0 - 30
51-3	Voltage Restraint Setpoint	SG3 3P	23732	Float	4	R W	Volt	30 - 250
51-3	Voltage Restraint Mode	SG3 3P	23734	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-3	Alarm Configuration	SG3 3P	23736	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-3	Low-Line Scale	SG3 3P	23738	Float	4	R W	n/a	0.001 - 3
51-3	Voltage Restraint Source	SG3 3P	23740	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG3 3P	23742	Float	4	R W	n/a	0.1 - 10
51-4	Mode	SG0 1P	23744	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG0 1P	23746	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG0 1P	23748	Float	4	R W	Amp	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-4	Curve Index	SG0 1P	23750	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-4	Direction	SG0 1P	23752	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG0 1P	23754	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG0 1P	23756	Float	4	R W	n/a	0 - 9.9
51-4	Constant A	SG0 1P	23758	Float	4	R W	n/a	0 - 600
51-4	Constant B	SG0 1P	23760	Float	4	R W	n/a	0 - 25
51-4	Constant C	SG0 1P	23762	Float	4	R W	n/a	0 - 1
51-4	Constant N	SG0 1P	23764	Float	4	R W	n/a	0.5 - 2.5
51-4	Constant R	SG0 1P	23766	Float	4	R W	n/a	0 - 30
51-4	Voltage Restraint Setpoint	SG0 1P	23768	Float	4	R W	Volt	30 - 250
51-4	Voltage Restraint Mode	SG0 1P	23770	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-4	Alarm Configuration	SG0 1P	23772	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-4	Low-Line Scale	SG0 1P	23774	Float	4	R W	n/a	0.001 - 3
51-4	Voltage Restraint Source	SG0 1P	23776	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG0 1P	23778	Float	4	R W	n/a	0.1 - 10
51-4	Mode	SG0 3P	23780	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG0 3P	23782	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG0 3P	23784	Float	4	R W	Amp	0.9 - 7.75
51-4	Curve Index	SG0 3P	23786	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-4	Direction	SG0 3P	23788	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG0 3P	23790	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG0 3P	23792	Float	4	R W	n/a	0 - 9.9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-4	Constant A	SG0 3P	23794	Float	4	R W	n/a	0 - 600
51-4	Constant B	SG0 3P	23796	Float	4	R W	n/a	0 - 25
51-4	Constant C	SG0 3P	23798	Float	4	R W	n/a	0 - 1
51-4	Constant N	SG0 3P	23800	Float	4	R W	n/a	0.5 - 2.5
51-4	Constant R	SG0 3P	23802	Float	4	R W	n/a	0 - 30
51-4	Voltage Restraint Setpoint	SG0 3P	23804	Float	4	R W	Volt	30 - 250
51-4	Voltage Restraint Mode	SG0 3P	23806	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-4	Alarm Configuration	SG0 3P	23808	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-4	Low-Line Scale	SG0 3P	23810	Float	4	R W	n/a	0.001 - 3
51-4	Voltage Restraint Source	SG0 3P	23812	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG0 3P	23814	Float	4	R W	n/a	0.1 - 10
51-4	Mode	SG1 1P	23816	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG1 1P	23818	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG1 1P	23820	Float	4	R W	Amp	0.9 - 7.75
51-4	Curve Index	SG1 1P	23822	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-4	Direction	SG1 1P	23824	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG1 1P	23826	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG1 1P	23828	Float	4	R W	n/a	0 - 9.9
51-4	Constant A	SG1 1P	23830	Float	4	R W	n/a	0 - 600
51-4	Constant B	SG1 1P	23832	Float	4	R W	n/a	0 - 25
51-4	Constant C	SG1 1P	23834	Float	4	R W	n/a	0 - 1
51-4	Constant N	SG1 1P	23836	Float	4	R W	n/a	0.5 - 2.5
51-4	Constant R	SG1 1P	23838	Float	4	R W	n/a	0 - 30
51-4	Voltage Restraint Setpoint	SG1 1P	23840	Float	4	R W	Volt	30 - 250
51-4	Voltage Restraint Mode	SG1 1P	23842	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-4	Alarm Configuration	SG1 1P	23844	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-4	Low-Line Scale	SG1 1P	23846	Float	4	R W	n/a	0.001 - 3
51-4	Voltage Restraint Source	SG1 1P	23848	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG1 1P	23850	Float	4	R W	n/a	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-4	Mode	SG1 3P	23852	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG1 3P	23854	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG1 3P	23856	Float	4	R W	Amp	0.9 - 7.75
51-4	Curve Index	SG1 3P	23858	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-4	Direction	SG1 3P	23860	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG1 3P	23862	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG1 3P	23864	Float	4	R W	n/a	0 - 9.9
51-4	Constant A	SG1 3P	23866	Float	4	R W	n/a	0 - 600
51-4	Constant B	SG1 3P	23868	Float	4	R W	n/a	0 - 25
51-4	Constant C	SG1 3P	23870	Float	4	R W	n/a	0 - 1
51-4	Constant N	SG1 3P	23872	Float	4	R W	n/a	0.5 - 2.5
51-4	Constant R	SG1 3P	23874	Float	4	R W	n/a	0 - 30
51-4	Voltage Restraint Setpoint	SG1 3P	23876	Float	4	R W	Volt	30 - 250
51-4	Voltage Restraint Mode	SG1 3P	23878	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-4	Alarm Configuration	SG1 3P	23880	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-4	Low-Line Scale	SG1 3P	23882	Float	4	R W	n/a	0.001 - 3
51-4	Voltage Restraint Source	SG1 3P	23884	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG1 3P	23886	Float	4	R W	n/a	0.1 - 10
51-4	Mode	SG2 1P	23888	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG2 1P	23890	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG2 1P	23892	Float	4	R W	Amp	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-4	Curve Index	SG2 1P	23894	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-4	Direction	SG2 1P	23896	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG2 1P	23898	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG2 1P	23900	Float	4	R W	n/a	0 - 9.9
51-4	Constant A	SG2 1P	23902	Float	4	R W	n/a	0 - 600
51-4	Constant B	SG2 1P	23904	Float	4	R W	n/a	0 - 25
51-4	Constant C	SG2 1P	23906	Float	4	R W	n/a	0 - 1
51-4	Constant N	SG2 1P	23908	Float	4	R W	n/a	0.5 - 2.5
51-4	Constant R	SG2 1P	23910	Float	4	R W	n/a	0 - 30
51-4	Voltage Restraint Setpoint	SG2 1P	23912	Float	4	R W	Volt	30 - 250
51-4	Voltage Restraint Mode	SG2 1P	23914	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-4	Alarm Configuration	SG2 1P	23916	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-4	Low-Line Scale	SG2 1P	23918	Float	4	R W	n/a	0.001 - 3
51-4	Voltage Restraint Source	SG2 1P	23920	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG2 1P	23922	Float	4	R W	n/a	0.1 - 10
51-4	Mode	SG2 3P	23924	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG2 3P	23926	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG2 3P	23928	Float	4	R W	Amp	0.9 - 7.75
51-4	Curve Index	SG2 3P	23930	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-4	Direction	SG2 3P	23932	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG2 3P	23934	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG2 3P	23936	Float	4	R W	n/a	0 - 9.9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-4	Constant A	SG2 3P	23938	Float	4	R W	n/a	0 - 600
51-4	Constant B	SG2 3P	23940	Float	4	R W	n/a	0 - 25
51-4	Constant C	SG2 3P	23942	Float	4	R W	n/a	0 - 1
51-4	Constant N	SG2 3P	23944	Float	4	R W	n/a	0.5 - 2.5
51-4	Constant R	SG2 3P	23946	Float	4	R W	n/a	0 - 30
51-4	Voltage Restraint Setpoint	SG2 3P	23948	Float	4	R W	Volt	30 - 250
51-4	Voltage Restraint Mode	SG2 3P	23950	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-4	Alarm Configuration	SG2 3P	23952	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-4	Low-Line Scale	SG2 3P	23954	Float	4	R W	n/a	0.001 - 3
51-4	Voltage Restraint Source	SG2 3P	23956	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG2 3P	23958	Float	4	R W	n/a	0.1 - 10
51-4	Mode	SG3 1P	23960	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG3 1P	23962	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG3 1P	23964	Float	4	R W	Amp	0.9 - 7.75
51-4	Curve Index	SG3 1P	23966	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-4	Direction	SG3 1P	23968	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG3 1P	23970	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG3 1P	23972	Float	4	R W	n/a	0 - 9.9
51-4	Constant A	SG3 1P	23974	Float	4	R W	n/a	0 - 600
51-4	Constant B	SG3 1P	23976	Float	4	R W	n/a	0 - 25
51-4	Constant C	SG3 1P	23978	Float	4	R W	n/a	0 - 1
51-4	Constant N	SG3 1P	23980	Float	4	R W	n/a	0.5 - 2.5
51-4	Constant R	SG3 1P	23982	Float	4	R W	n/a	0 - 30
51-4	Voltage Restraint Setpoint	SG3 1P	23984	Float	4	R W	Volt	30 - 250
51-4	Voltage Restraint Mode	SG3 1P	23986	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-4	Alarm Configuration	SG3 1P	23988	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-4	Low-Line Scale	SG3 1P	23990	Float	4	R W	n/a	0.001 - 3
51-4	Voltage Restraint Source	SG3 1P	23992	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG3 1P	23994	Float	4	R W	n/a	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-4	Mode	SG3 3P	23996	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG3 3P	23998	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG3 3P	24000	Float	4	R W	Amp	0.9 - 7.75
51-4	Curve Index	SG3 3P	24002	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-4	Direction	SG3 3P	24004	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG3 3P	24006	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG3 3P	24008	Float	4	R W	n/a	0 - 9.9
51-4	Constant A	SG3 3P	24010	Float	4	R W	n/a	0 - 600
51-4	Constant B	SG3 3P	24012	Float	4	R W	n/a	0 - 25
51-4	Constant C	SG3 3P	24014	Float	4	R W	n/a	0 - 1
51-4	Constant N	SG3 3P	24016	Float	4	R W	n/a	0.5 - 2.5
51-4	Constant R	SG3 3P	24018	Float	4	R W	n/a	0 - 30
51-4	Voltage Restraint Setpoint	SG3 3P	24020	Float	4	R W	Volt	30 - 250
51-4	Voltage Restraint Mode	SG3 3P	24022	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-4	Alarm Configuration	SG3 3P	24024	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-4	Low-Line Scale	SG3 3P	24026	Float	4	R W	n/a	0.001 - 3
51-4	Voltage Restraint Source	SG3 3P	24028	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG3 3P	24030	Float	4	R W	n/a	0.1 - 10
51-5	Mode	SG0 1P	24032	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG0 1P	24034	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG0 1P	24036	Float	4	R W	Amp	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-5	Curve Index	SG0 1P	24038	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-5	Direction	SG0 1P	24040	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG0 1P	24042	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG0 1P	24044	Float	4	R W	n/a	0 - 9.9
51-5	Constant A	SG0 1P	24046	Float	4	R W	n/a	0 - 600
51-5	Constant B	SG0 1P	24048	Float	4	R W	n/a	0 - 25
51-5	Constant C	SG0 1P	24050	Float	4	R W	n/a	0 - 1
51-5	Constant N	SG0 1P	24052	Float	4	R W	n/a	0.5 - 2.5
51-5	Constant R	SG0 1P	24054	Float	4	R W	n/a	0 - 30
51-5	Voltage Restraint Setpoint	SG0 1P	24056	Float	4	R W	Volt	30 - 250
51-5	Voltage Restraint Mode	SG0 1P	24058	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-5	Alarm Configuration	SG0 1P	24060	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-5	Low-Line Scale	SG0 1P	24062	Float	4	R W	n/a	0.001 - 3
51-5	Voltage Restraint Source	SG0 1P	24064	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG0 1P	24066	Float	4	R W	n/a	0.1 - 10
51-5	Mode	SG0 3P	24068	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG0 3P	24070	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG0 3P	24072	Float	4	R W	Amp	0.9 - 7.75
51-5	Curve Index	SG0 3P	24074	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-5	Direction	SG0 3P	24076	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG0 3P	24078	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG0 3P	24080	Float	4	R W	n/a	0 - 9.9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-5	Constant A	SG0 3P	24082	Float	4	R W	n/a	0 - 600
51-5	Constant B	SG0 3P	24084	Float	4	R W	n/a	0 - 25
51-5	Constant C	SG0 3P	24086	Float	4	R W	n/a	0 - 1
51-5	Constant N	SG0 3P	24088	Float	4	R W	n/a	0.5 - 2.5
51-5	Constant R	SG0 3P	24090	Float	4	R W	n/a	0 - 30
51-5	Voltage Restraint Setpoint	SG0 3P	24092	Float	4	R W	Volt	30 - 250
51-5	Voltage Restraint Mode	SG0 3P	24094	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-5	Alarm Configuration	SG0 3P	24096	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-5	Low-Line Scale	SG0 3P	24098	Float	4	R W	n/a	0.001 - 3
51-5	Voltage Restraint Source	SG0 3P	24100	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG0 3P	24102	Float	4	R W	n/a	0.1 - 10
51-5	Mode	SG1 1P	24104	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG1 1P	24106	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG1 1P	24108	Float	4	R W	Amp	0.9 - 7.75
51-5	Curve Index	SG1 1P	24110	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-5	Direction	SG1 1P	24112	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG1 1P	24114	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG1 1P	24116	Float	4	R W	n/a	0 - 9.9
51-5	Constant A	SG1 1P	24118	Float	4	R W	n/a	0 - 600
51-5	Constant B	SG1 1P	24120	Float	4	R W	n/a	0 - 25
51-5	Constant C	SG1 1P	24122	Float	4	R W	n/a	0 - 1
51-5	Constant N	SG1 1P	24124	Float	4	R W	n/a	0.5 - 2.5
51-5	Constant R	SG1 1P	24126	Float	4	R W	n/a	0 - 30
51-5	Voltage Restraint Setpoint	SG1 1P	24128	Float	4	R W	Volt	30 - 250
51-5	Voltage Restraint Mode	SG1 1P	24130	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-5	Alarm Configuration	SG1 1P	24132	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-5	Low-Line Scale	SG1 1P	24134	Float	4	R W	n/a	0.001 - 3
51-5	Voltage Restraint Source	SG1 1P	24136	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG1 1P	24138	Float	4	R W	n/a	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-5	Mode	SG1 3P	24140	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG1 3P	24142	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG1 3P	24144	Float	4	R W	Amp	0.9 - 7.75
51-5	Curve Index	SG1 3P	24146	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-5	Direction	SG1 3P	24148	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG1 3P	24150	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG1 3P	24152	Float	4	R W	n/a	0 - 9.9
51-5	Constant A	SG1 3P	24154	Float	4	R W	n/a	0 - 600
51-5	Constant B	SG1 3P	24156	Float	4	R W	n/a	0 - 25
51-5	Constant C	SG1 3P	24158	Float	4	R W	n/a	0 - 1
51-5	Constant N	SG1 3P	24160	Float	4	R W	n/a	0.5 - 2.5
51-5	Constant R	SG1 3P	24162	Float	4	R W	n/a	0 - 30
51-5	Voltage Restraint Setpoint	SG1 3P	24164	Float	4	R W	Volt	30 - 250
51-5	Voltage Restraint Mode	SG1 3P	24166	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-5	Alarm Configuration	SG1 3P	24168	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-5	Low-Line Scale	SG1 3P	24170	Float	4	R W	n/a	0.001 - 3
51-5	Voltage Restraint Source	SG1 3P	24172	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG1 3P	24174	Float	4	R W	n/a	0.1 - 10
51-5	Mode	SG2 1P	24176	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG2 1P	24178	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG2 1P	24180	Float	4	R W	Amp	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-5	Curve Index	SG2 1P	24182	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-5	Direction	SG2 1P	24184	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG2 1P	24186	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG2 1P	24188	Float	4	R W	n/a	0 - 9.9
51-5	Constant A	SG2 1P	24190	Float	4	R W	n/a	0 - 600
51-5	Constant B	SG2 1P	24192	Float	4	R W	n/a	0 - 25
51-5	Constant C	SG2 1P	24194	Float	4	R W	n/a	0 - 1
51-5	Constant N	SG2 1P	24196	Float	4	R W	n/a	0.5 - 2.5
51-5	Constant R	SG2 1P	24198	Float	4	R W	n/a	0 - 30
51-5	Voltage Restraint Setpoint	SG2 1P	24200	Float	4	R W	Volt	30 - 250
51-5	Voltage Restraint Mode	SG2 1P	24202	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-5	Alarm Configuration	SG2 1P	24204	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-5	Low-Line Scale	SG2 1P	24206	Float	4	R W	n/a	0.001 - 3
51-5	Voltage Restraint Source	SG2 1P	24208	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG2 1P	24210	Float	4	R W	n/a	0.1 - 10
51-5	Mode	SG2 3P	24212	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG2 3P	24214	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG2 3P	24216	Float	4	R W	Amp	0.9 - 7.75
51-5	Curve Index	SG2 3P	24218	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-5	Direction	SG2 3P	24220	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG2 3P	24222	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG2 3P	24224	Float	4	R W	n/a	0 - 9.9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-5	Constant A	SG2 3P	24226	Float	4	R W	n/a	0 - 600
51-5	Constant B	SG2 3P	24228	Float	4	R W	n/a	0 - 25
51-5	Constant C	SG2 3P	24230	Float	4	R W	n/a	0 - 1
51-5	Constant N	SG2 3P	24232	Float	4	R W	n/a	0.5 - 2.5
51-5	Constant R	SG2 3P	24234	Float	4	R W	n/a	0 - 30
51-5	Voltage Restraint Setpoint	SG2 3P	24236	Float	4	R W	Volt	30 - 250
51-5	Voltage Restraint Mode	SG2 3P	24238	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-5	Alarm Configuration	SG2 3P	24240	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-5	Low-Line Scale	SG2 3P	24242	Float	4	R W	n/a	0.001 - 3
51-5	Voltage Restraint Source	SG2 3P	24244	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG2 3P	24246	Float	4	R W	n/a	0.1 - 10
51-5	Mode	SG3 1P	24248	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG3 1P	24250	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG3 1P	24252	Float	4	R W	Amp	0.9 - 7.75
51-5	Curve Index	SG3 1P	24254	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-5	Direction	SG3 1P	24256	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG3 1P	24258	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG3 1P	24260	Float	4	R W	n/a	0 - 9.9
51-5	Constant A	SG3 1P	24262	Float	4	R W	n/a	0 - 600
51-5	Constant B	SG3 1P	24264	Float	4	R W	n/a	0 - 25
51-5	Constant C	SG3 1P	24266	Float	4	R W	n/a	0 - 1
51-5	Constant N	SG3 1P	24268	Float	4	R W	n/a	0.5 - 2.5
51-5	Constant R	SG3 1P	24270	Float	4	R W	n/a	0 - 30
51-5	Voltage Restraint Setpoint	SG3 1P	24272	Float	4	R W	Volt	30 - 250
51-5	Voltage Restraint Mode	SG3 1P	24274	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-5	Alarm Configuration	SG3 1P	24276	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-5	Low-Line Scale	SG3 1P	24278	Float	4	R W	n/a	0.001 - 3
51-5	Voltage Restraint Source	SG3 1P	24280	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG3 1P	24282	Float	4	R W	n/a	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-5	Mode	SG3 3P	24284	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG3 3P	24286	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG3 3P	24288	Float	4	R W	Amp	0.9 - 7.75
51-5	Curve Index	SG3 3P	24290	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-5	Direction	SG3 3P	24292	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG3 3P	24294	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG3 3P	24296	Float	4	R W	n/a	0 - 9.9
51-5	Constant A	SG3 3P	24298	Float	4	R W	n/a	0 - 600
51-5	Constant B	SG3 3P	24300	Float	4	R W	n/a	0 - 25
51-5	Constant C	SG3 3P	24302	Float	4	R W	n/a	0 - 1
51-5	Constant N	SG3 3P	24304	Float	4	R W	n/a	0.5 - 2.5
51-5	Constant R	SG3 3P	24306	Float	4	R W	n/a	0 - 30
51-5	Voltage Restraint Setpoint	SG3 3P	24308	Float	4	R W	Volt	30 - 250
51-5	Voltage Restraint Mode	SG3 3P	24310	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-5	Alarm Configuration	SG3 3P	24312	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-5	Low-Line Scale	SG3 3P	24314	Float	4	R W	n/a	0.001 - 3
51-5	Voltage Restraint Source	SG3 3P	24316	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG3 3P	24318	Float	4	R W	n/a	0.1 - 10
51-6	Mode	SG0 1P	24320	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG0 1P	24322	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG0 1P	24324	Float	4	R W	Amp	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-6	Curve Index	SG0 1P	24326	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-6	Direction	SG0 1P	24328	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG0 1P	24330	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG0 1P	24332	Float	4	R W	n/a	0 - 9.9
51-6	Constant A	SG0 1P	24334	Float	4	R W	n/a	0 - 600
51-6	Constant B	SG0 1P	24336	Float	4	R W	n/a	0 - 25
51-6	Constant C	SG0 1P	24338	Float	4	R W	n/a	0 - 1
51-6	Constant N	SG0 1P	24340	Float	4	R W	n/a	0.5 - 2.5
51-6	Constant R	SG0 1P	24342	Float	4	R W	n/a	0 - 30
51-6	Voltage Restraint Setpoint	SG0 1P	24344	Float	4	R W	Volt	30 - 250
51-6	Voltage Restraint Mode	SG0 1P	24346	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-6	Alarm Configuration	SG0 1P	24348	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-6	Low-Line Scale	SG0 1P	24350	Float	4	R W	n/a	0.001 - 3
51-6	Voltage Restraint Source	SG0 1P	24352	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG0 1P	24354	Float	4	R W	n/a	0.1 - 10
51-6	Mode	SG0 3P	24356	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG0 3P	24358	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG0 3P	24360	Float	4	R W	Amp	0.9 - 7.75
51-6	Curve Index	SG0 3P	24362	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-6	Direction	SG0 3P	24364	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG0 3P	24366	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG0 3P	24368	Float	4	R W	n/a	0 - 9.9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-6	Constant A	SG0 3P	24370	Float	4	R W	n/a	0 - 600
51-6	Constant B	SG0 3P	24372	Float	4	R W	n/a	0 - 25
51-6	Constant C	SG0 3P	24374	Float	4	R W	n/a	0 - 1
51-6	Constant N	SG0 3P	24376	Float	4	R W	n/a	0.5 - 2.5
51-6	Constant R	SG0 3P	24378	Float	4	R W	n/a	0 - 30
51-6	Voltage Restraint Setpoint	SG0 3P	24380	Float	4	R W	Volt	30 - 250
51-6	Voltage Restraint Mode	SG0 3P	24382	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-6	Alarm Configuration	SG0 3P	24384	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-6	Low-Line Scale	SG0 3P	24386	Float	4	R W	n/a	0.001 - 3
51-6	Voltage Restraint Source	SG0 3P	24388	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG0 3P	24390	Float	4	R W	n/a	0.1 - 10
51-6	Mode	SG1 1P	24392	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG1 1P	24394	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG1 1P	24396	Float	4	R W	Amp	0.9 - 7.75
51-6	Curve Index	SG1 1P	24398	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-6	Direction	SG1 1P	24400	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG1 1P	24402	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG1 1P	24404	Float	4	R W	n/a	0 - 9.9
51-6	Constant A	SG1 1P	24406	Float	4	R W	n/a	0 - 600
51-6	Constant B	SG1 1P	24408	Float	4	R W	n/a	0 - 25
51-6	Constant C	SG1 1P	24410	Float	4	R W	n/a	0 - 1
51-6	Constant N	SG1 1P	24412	Float	4	R W	n/a	0.5 - 2.5
51-6	Constant R	SG1 1P	24414	Float	4	R W	n/a	0 - 30
51-6	Voltage Restraint Setpoint	SG1 1P	24416	Float	4	R W	Volt	30 - 250
51-6	Voltage Restraint Mode	SG1 1P	24418	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-6	Alarm Configuration	SG1 1P	24420	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-6	Low-Line Scale	SG1 1P	24422	Float	4	R W	n/a	0.001 - 3
51-6	Voltage Restraint Source	SG1 1P	24424	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG1 1P	24426	Float	4	R W	n/a	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-6	Mode	SG1 3P	24428	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG1 3P	24430	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG1 3P	24432	Float	4	R W	Amp	0.9 - 7.75
51-6	Curve Index	SG1 3P	24434	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-6	Direction	SG1 3P	24436	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG1 3P	24438	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG1 3P	24440	Float	4	R W	n/a	0 - 9.9
51-6	Constant A	SG1 3P	24442	Float	4	R W	n/a	0 - 600
51-6	Constant B	SG1 3P	24444	Float	4	R W	n/a	0 - 25
51-6	Constant C	SG1 3P	24446	Float	4	R W	n/a	0 - 1
51-6	Constant N	SG1 3P	24448	Float	4	R W	n/a	0.5 - 2.5
51-6	Constant R	SG1 3P	24450	Float	4	R W	n/a	0 - 30
51-6	Voltage Restraint Setpoint	SG1 3P	24452	Float	4	R W	Volt	30 - 250
51-6	Voltage Restraint Mode	SG1 3P	24454	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-6	Alarm Configuration	SG1 3P	24456	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-6	Low-Line Scale	SG1 3P	24458	Float	4	R W	n/a	0.001 - 3
51-6	Voltage Restraint Source	SG1 3P	24460	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG1 3P	24462	Float	4	R W	n/a	0.1 - 10
51-6	Mode	SG2 1P	24464	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG2 1P	24466	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG2 1P	24468	Float	4	R W	Amp	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-6	Curve Index	SG2 1P	24470	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-6	Direction	SG2 1P	24472	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG2 1P	24474	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG2 1P	24476	Float	4	R W	n/a	0 - 9.9
51-6	Constant A	SG2 1P	24478	Float	4	R W	n/a	0 - 600
51-6	Constant B	SG2 1P	24480	Float	4	R W	n/a	0 - 25
51-6	Constant C	SG2 1P	24482	Float	4	R W	n/a	0 - 1
51-6	Constant N	SG2 1P	24484	Float	4	R W	n/a	0.5 - 2.5
51-6	Constant R	SG2 1P	24486	Float	4	R W	n/a	0 - 30
51-6	Voltage Restraint Setpoint	SG2 1P	24488	Float	4	R W	Volt	30 - 250
51-6	Voltage Restraint Mode	SG2 1P	24490	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-6	Alarm Configuration	SG2 1P	24492	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-6	Low-Line Scale	SG2 1P	24494	Float	4	R W	n/a	0.001 - 3
51-6	Voltage Restraint Source	SG2 1P	24496	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG2 1P	24498	Float	4	R W	n/a	0.1 - 10
51-6	Mode	SG2 3P	24500	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG2 3P	24502	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG2 3P	24504	Float	4	R W	Amp	0.9 - 7.75
51-6	Curve Index	SG2 3P	24506	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-6	Direction	SG2 3P	24508	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG2 3P	24510	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG2 3P	24512	Float	4	R W	n/a	0 - 9.9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-6	Constant A	SG2 3P	24514	Float	4	R W	n/a	0 - 600
51-6	Constant B	SG2 3P	24516	Float	4	R W	n/a	0 - 25
51-6	Constant C	SG2 3P	24518	Float	4	R W	n/a	0 - 1
51-6	Constant N	SG2 3P	24520	Float	4	R W	n/a	0.5 - 2.5
51-6	Constant R	SG2 3P	24522	Float	4	R W	n/a	0 - 30
51-6	Voltage Restraint Setpoint	SG2 3P	24524	Float	4	R W	Volt	30 - 250
51-6	Voltage Restraint Mode	SG2 3P	24526	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-6	Alarm Configuration	SG2 3P	24528	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-6	Low-Line Scale	SG2 3P	24530	Float	4	R W	n/a	0.001 - 3
51-6	Voltage Restraint Source	SG2 3P	24532	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG2 3P	24534	Float	4	R W	n/a	0.1 - 10
51-6	Mode	SG3 1P	24536	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG3 1P	24538	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG3 1P	24540	Float	4	R W	Amp	0.9 - 7.75
51-6	Curve Index	SG3 1P	24542	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-6	Direction	SG3 1P	24544	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG3 1P	24546	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG3 1P	24548	Float	4	R W	n/a	0 - 9.9
51-6	Constant A	SG3 1P	24550	Float	4	R W	n/a	0 - 600
51-6	Constant B	SG3 1P	24552	Float	4	R W	n/a	0 - 25
51-6	Constant C	SG3 1P	24554	Float	4	R W	n/a	0 - 1
51-6	Constant N	SG3 1P	24556	Float	4	R W	n/a	0.5 - 2.5
51-6	Constant R	SG3 1P	24558	Float	4	R W	n/a	0 - 30
51-6	Voltage Restraint Setpoint	SG3 1P	24560	Float	4	R W	Volt	30 - 250
51-6	Voltage Restraint Mode	SG3 1P	24562	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-6	Alarm Configuration	SG3 1P	24564	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-6	Low-Line Scale	SG3 1P	24566	Float	4	R W	n/a	0.001 - 3
51-6	Voltage Restraint Source	SG3 1P	24568	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG3 1P	24570	Float	4	R W	n/a	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
51-6	Mode	SG3 3P	24572	Uint32	4	R W	n/a	Disabled=0 IA=1 IB=2 IC=3 I _{max} =4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG3 3P	24574	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG3 3P	24576	Float	4	R W	Amp	0.9 - 7.75
51-6	Curve Index	SG3 3P	24578	Uint32	4	R W	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-6	Direction	SG3 3P	24580	Uint32	4	R W	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG3 3P	24582	Uint32	4	R W	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG3 3P	24584	Float	4	R W	n/a	0 - 9.9
51-6	Constant A	SG3 3P	24586	Float	4	R W	n/a	0 - 600
51-6	Constant B	SG3 3P	24588	Float	4	R W	n/a	0 - 25
51-6	Constant C	SG3 3P	24590	Float	4	R W	n/a	0 - 1
51-6	Constant N	SG3 3P	24592	Float	4	R W	n/a	0.5 - 2.5
51-6	Constant R	SG3 3P	24594	Float	4	R W	n/a	0 - 30
51-6	Voltage Restraint Setpoint	SG3 3P	24596	Float	4	R W	Volt	30 - 250
51-6	Voltage Restraint Mode	SG3 3P	24598	Uint32	4	R W	n/a	Disabled=0 Control=1 Restraint=2
51-6	Alarm Configuration	SG3 3P	24600	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
51-6	Low-Line Scale	SG3 3P	24602	Float	4	R W	n/a	0.001 - 3
51-6	Voltage Restraint Source	SG3 3P	24604	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG3 3P	24606	Float	4	R W	n/a	0.1 - 10
78-1	Mode	SG0	24608	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-1	Source	SG0	24610	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
78-1	Pickup	SG0	24612	Float	4	R W	Degree	2 - 90
78-1	Alarm Configuration	SG0	24614	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
78-1	Mode	SG1	24616	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-1	Source	SG1	24618	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
78-1	Pickup	SG1	24620	Float	4	R W	Degree	2 - 90
78-1	Alarm Configuration	SG1	24622	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
78-1	Mode	SG2	24624	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-1	Source	SG2	24626	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
78-1	Pickup	SG2	24628	Float	4	R W	Degree	2 - 90

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
78-1	Alarm Configuration	SG2	24630	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
78-1	Mode	SG3	24632	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-1	Source	SG3	24634	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
78-1	Pickup	SG3	24636	Float	4	R W	Degree	2 - 90
78-1	Alarm Configuration	SG3	24638	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
78-2	Mode	SG0	24640	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-2	Source	SG0	24642	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
78-2	Pickup	SG0	24644	Float	4	R W	Degree	2 - 90
78-2	Alarm Configuration	SG0	24646	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
78-2	Mode	SG1	24648	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-2	Source	SG1	24650	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
78-2	Pickup	SG1	24652	Float	4	R W	Degree	2 - 90
78-2	Alarm Configuration	SG1	24654	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
78-2	Mode	SG2	24656	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-2	Source	SG2	24658	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
78-2	Pickup	SG2	24660	Float	4	R W	Degree	2 - 90
78-2	Alarm Configuration	SG2	24662	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
78-2	Mode	SG3	24664	Uint32	4	R W	n/a	Disabled=0 Enabled=1
78-2	Source	SG3	24666	Uint32	4	R W	n/a	Gen=0 Bus 1=1 Bus 2=2
78-2	Pickup	SG3	24668	Float	4	R W	Degree	2 - 90
78-2	Alarm Configuration	SG3	24670	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Battery Voltage Protection	Weak Battery Mode	GG	24672	Uint32	4	R W	n/a	No=0 Yes=1
Battery Voltage Protection	Undervoltage Mode	GG	24674	Uint32	4	R W	n/a	No=0 Yes=1
Battery Voltage Protection	Overvoltage Mode	GG	24676	Uint32	4	R W	n/a	No=0 Yes=1
Battery Voltage Protection	Weak Battery Threshold	GG	24678	Float	4	R W	Volt	4 - 28
Battery Voltage Protection	Undervoltage Threshold	GG	24680	Float	4	R W	Volt	6 - 28
Battery Voltage Protection	Overvoltage Threshold	GG	24682	Float	4	R W	Volt	6 - 32
Battery Voltage Protection	Weak Battery Time Delay	GG	24684	Float	4	R W	Millisecond	0 - 10000
Battery Voltage Protection	Under Voltage Time Delay	GG	24686	Float	4	R W	Millisecond	1000 - 10000
Oil Pressure Protection	Alarm Mode	GG	24688	Uint32	4	R W	n/a	No=0 Yes=1
Oil Pressure Protection	Pre-Alarm Mode	GG	24690	Uint32	4	R W	n/a	No=0 Yes=1
Oil Pressure Protection	Alarm Threshold	GG	24692	Float	4	R W	PSI	2.9 - 150
Oil Pressure Protection	Pre-Alarm Threshold	GG	24694	Float	4	R W	PSI	2.9 - 150
Oil Pressure Protection	Arming Delay	GG	24696	Float	4	R W	Millisecond	5000 - 60000
Coolant Temperature Protection	High Coolant Temp Alarm Mode	GG	24698	Uint32	4	R W	n/a	No=0 Yes=1
Coolant Temperature Protection	High Coolant Temp Pre-Alarm Mode	GG	24700	Uint32	4	R W	n/a	No=0 Yes=1
Coolant Temperature Protection	Low Coolant Temp Pre-Alarm Mode	GG	24702	Uint32	4	R W	n/a	No=0 Yes=1
Coolant Temperature Protection	High Coolant Temp Alarm Threshold	GG	24704	Float	4	R W	Deg F	100 - 280

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Coolant Temperature Protection	High Coolant TempPre-Alarm Threshold	GG	24706	Float	4	R W	Deg F	100 - 280
Coolant Temperature Protection	Low Coolant Temp Pre-Alarm Threshold	GG	24708	Float	4	R W	Deg F	35 - 151
Coolant Temperature Protection	High Coolant Temp Arming Delay	GG	24710	Float	4	R W	Millisecond	0 - 150000
Fuel Level Protection	Low Fuel Alarm Mode	GG	24712	Uint32	4	R W	n/a	No=0 Yes=1
Fuel Level Protection	LowFuelPreAlarmMode	GG	24714	Uint32	4	R W	n/a	No=0 Yes=1
Fuel Level Protection	High Fuel Pre-Alarm Mode	GG	24716	Uint32	4	R W	n/a	No=0 Yes=1
Fuel Level Protection	Low Fuel Alarm Threshold	GG	24718	Float	4	R W	Percent	0 - 100
Fuel Level Protection	Low Fuel Pre-Alarm Threshold	GG	24720	Float	4	R W	Percent	10 - 100
Fuel Level Protection	High Fuel Pre-Alarm Threshold	GG	24722	Float	4	R W	Percent	0 - 150
Fuel Level Protection	Low Fuel Alarm Activation Delay	GG	24724	Float	4	R W	Millisecond	0 - 30000
Fuel Level Protection	High Fuel Pre-Alarm Activation Delay	GG	24726	Float	4	R W	Millisecond	0 - 30000
Overspeed Protection	Overspeed Mode	GG	24728	Uint32	4	R W	n/a	No=0 Yes=1
Overspeed Protection	Overspeed Threshold	GG	24730	Float	4	R W	Percent	105 - 140
Overspeed Protection	Overspeed Activation Delay	GG	24732	Float	4	R W	Millisecond	0 - 500
Coolant Level Protection	Low Coolant Level Alarm Mode	GG	24734	Uint32	4	R W	n/a	No=0 Yes=1
Coolant Level Protection	Low Coolant Level Pre-Alarm Mode	GG	24736	Uint32	4	R W	n/a	No=0 Yes=1
Coolant Level Protection	Low Coolant Level Alarm Threshold	GG	24738	Float	4	R W	Percent	1 - 99
Coolant Level Protection	Low Coolant Level Pre-Alarm Threshold	GG	24740	Float	4	R W	Percent	1 - 99
Config Protection 1	Parameter Selection	GG	24742	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
Config Protection 1	Hysteresis	GG	24744	Float	4	R W	Percent	0 - 100
Config Protection 1	Arming Delay	GG	24746	Float	4	R W	Second	0 - 300
Config Protection 1	Threshold 1 Type	GG	24748	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 1	Threshold 1 Pickup	GG	24750	Float	4	R W	n/a	-999999 - 999999
Config Protection 1	Threshold 1 Activation Delay	GG	24752	Float	4	R W	Second	0 - 300
Config Protection 1	Threshold 1 Alarm Configuration	GG	24754	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 1	Threshold 2 Type	GG	24756	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 1	Threshold 2 Pickup	GG	24758	Float	4	R W	n/a	-999999 - 999999
Config Protection 1	Threshold 2 Activation Delay	GG	24760	Float	4	R W	Second	0 - 300
Config Protection 1	Threshold 2 Alarm Configuration	GG	24762	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Config Protection 1	Threshold 3 Type	GG	24764	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 1	Threshold 3 Pickup	GG	24766	Float	4	R W	n/a	-999999 - 999999
Config Protection 1	Threshold 3 Activation Delay	GG	24768	Float	4	R W	Second	0 - 300
Config Protection 1	Threshold 3 Alarm Configuration	GG	24770	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 1	Threshold 4 Type	GG	24772	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 1	Threshold 4 Pickup	GG	24774	Float	4	R W	n/a	-999999 - 999999
Config Protection 1	Threshold 4 Activation Delay	GG	24776	Float	4	R W	Second	0 - 300
Config Protection 1	Threshold 4 Alarm Configuration	GG	24778	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 1	Low-Line Scale Current	GG	24780	Float	4	R W	n/a	0.001 - 3
Config Protection 1	Low-Line Scale Voltage	GG	24782	Float	4	R W	n/a	0.001 - 3
Config Protection 1	Label	GG	24784	String	16	R W	n/a	0 - 16
Config Protection 2	Parameter Selection	GG	24786	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
Config Protection 2	Hysteresis	GG	24788	Float	4	R W	Percent	0 - 100
Config Protection 2	Arming Delay	GG	24790	Float	4	R W	Second	0 - 300
Config Protection 2	Threshold 1 Type	GG	24792	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 2	Threshold 1 Pickup	GG	24794	Float	4	R W	n/a	-999999 - 999999
Config Protection 2	Threshold 1 Activation Delay	GG	24796	Float	4	R W	Second	0 - 300
Config Protection 2	Threshold 1 Alarm Configuration	GG	24798	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 2	Threshold 2 Type	GG	24800	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 2	Threshold 2 Pickup	GG	24808	Float	4	R W	n/a	-999999 - 999999
Config Protection 2	Threshold 2 Activation Delay	GG	24810	Float	4	R W	Second	0 - 300
Config Protection 2	Threshold 2 Alarm Configuration	GG	24812	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 2	Threshold 3 Type	GG	24814	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 2	Threshold 3 Pickup	GG	24816	Float	4	R W	n/a	-999999 - 999999
Config Protection 2	Threshold 3 Activation Delay	GG	24818	Float	4	R W	Second	0 - 300
Config Protection 2	Threshold 3 Alarm Configuration	GG	24820	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 2	Threshold 4 Type	GG	24822	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 2	Threshold 4 Pickup	GG	24824	Float	4	R W	n/a	-999999 - 999999
Config Protection 2	Threshold 4 Activation Delay	GG	24826	Float	4	R W	Second	0 - 300

Default Register Table

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Config Protection 2	Threshold 4 Alarm Configuration	GG	24828	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 2	Low-Line Scale Current	GG	24830	Float	4	R W	n/a	0.001 - 3
Config Protection 2	Low-Line Scale Voltage	GG	24832	Float	4	R W	n/a	0.001 - 3
Config Protection 2	Label	GG	24834	String	16	R W	n/a	0 - 16
Config Protection 3	ParamSelection	GG	24836	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
Config Protection 3	Hysteresis	GG	24838	Float	4	R W	Percent	0 - 100
Config Protection 3	Arming Delay	GG	24840	Float	4	R W	Second	0 - 300
Config Protection 3	Threshold 1 Type	GG	24842	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 3	Threshold 1 Pickup	GG	24844	Float	4	R W	n/a	-999999 - 999999
Config Protection 3	Threshold 1 Activation Delay	GG	24846	Float	4	R W	Second	0 - 300
Config Protection 3	Threshold 1 Alarm Configuration	GG	24848	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 3	Threshold 2 Type	GG	24850	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 3	Threshold 2 Pickup	GG	24858	Float	4	R W	n/a	-999999 - 999999
Config Protection 3	Threshold 2 Activation Delay	GG	24860	Float	4	R W	Second	0 - 300
Config Protection 3	Threshold 2 Alarm Configuration	GG	24862	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 3	Threshold 3 Type	GG	24864	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 3	Threshold 3 Pickup	GG	24866	Float	4	R W	n/a	-999999 - 999999
Config Protection 3	Threshold 3 Activation Delay	GG	24868	Float	4	R W	Second	0 - 300
Config Protection 3	Threshold 3 Alarm Configuration	GG	24870	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 3	Threshold 4 Type	GG	24872	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 3	Threshold 4 Pickup	GG	24874	Float	4	R W	n/a	-999999 - 999999
Config Protection 3	Threshold 4 Activation Delay	GG	24876	Float	4	R W	Second	0 - 300
Config Protection 3	Threshold 4 Alarm Configuration	GG	24878	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 3	Low-Line Scale Current	GG	24880	Float	4	R W	n/a	0.001 - 3
Config Protection 3	Low-Line Scale Voltage	GG	24882	Float	4	R W	n/a	0.001 - 3
Config Protection 3	Label	GG	24884	String	16	R W	n/a	0 - 16
Config Protection 4	Parameter Selection	GG	24886	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
Config Protection 4	Hysteresis	GG	24888	Float	4	R W	Percent	0 - 100
Config Protection 4	Arming Delay	GG	24890	Float	4	R W	Second	0 - 300
Config Protection 4	Threshold 1 Type	GG	24892	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 4	Threshold 1 Pickup	GG	24894	Float	4	R W	n/a	-999999 - 999999
Config Protection 4	Threshold 1 Activation Delay	GG	24896	Float	4	R W	Second	0 - 300
Config Protection 4	Threshold 1 Alarm Configuration	GG	24898	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 4	Threshold 2 Type	GG	24900	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 4	Threshold 2 Pickup	GG	24908	Float	4	R W	n/a	-999999 - 999999
Config Protection 4	Threshold 2 Activation Delay	GG	24910	Float	4	R W	Second	0 - 300
Config Protection 4	Threshold 2 Alarm Configuration	GG	24912	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 4	Threshold 3 Type	GG	24914	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 4	Threshold 3 Pickup	GG	24916	Float	4	R W	n/a	-999999 - 999999
Config Protection 4	Threshold 3 Activation Delay	GG	24918	Float	4	R W	Second	0 - 300
Config Protection 4	Threshold 3 Alarm Configuration	GG	24920	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 4	Threshold 4 Type	GG	24922	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 4	Threshold 4 Pickup	GG	24924	Float	4	R W	n/a	-999999 - 999999
Config Protection 4	Threshold 4 Activation Delay	GG	24926	Float	4	R W	Second	0 - 300
Config Protection 4	Threshold 4 Alarm Configuration	GG	24928	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 4	Low-Line Scale Current	GG	24930	Float	4	R W	n/a	0.001 - 3
Config Protection 4	Low-Line Scale Voltage	GG	24932	Float	4	R W	n/a	0.001 - 3
Config Protection 4	Label	GG	24934	String	16	R W	n/a	0 - 16
Config Protection 5	Parameter Selection	GG	24936	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
Config Protection 5	Hysteresis	GG	24938	Float	4	R W	Percent	0 - 100
Config Protection 5	Arming Delay	GG	24940	Float	4	R W	Second	0 - 300
Config Protection 5	Threshold 1 Type	GG	24942	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 5	Threshold 1 Pickup	GG	24944	Float	4	R W	n/a	-999999 - 999999
Config Protection 5	Threshold 1 Activation Delay	GG	24946	Float	4	R W	Second	0 - 300
Config Protection 5	Threshold 1 Alarm Configuration	GG	24948	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 5	Threshold 2 Type	GG	24950	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 5	Threshold 2 Pickup	GG	24958	Float	4	R W	n/a	-999999 - 999999
Config Protection 5	Threshold 2 Activation Delay	GG	24960	Float	4	R W	Second	0 - 300
Config Protection 5	Threshold 2 Alarm Configuration	GG	24962	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 5	Threshold 3 Type	GG	24964	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 5	Threshold 3 Pickup	GG	24966	Float	4	R W	n/a	-999999 - 999999
Config Protection 5	Threshold 3 Activation Delay	GG	24968	Float	4	R W	Second	0 - 300
Config Protection 5	Threshold 3 Alarm Configuration	GG	24970	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 5	Threshold 4 Type	GG	24972	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 5	Threshold 4 Pickup	GG	24974	Float	4	R W	n/a	-999999 - 999999
Config Protection 5	Threshold 4 Activation Delay	GG	24976	Float	4	R W	Second	0 - 300
Config Protection 5	Threshold 4 Alarm Configuration	GG	24978	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 5	Low-Line Scale Current	GG	24980	Float	4	R W	n/a	0.001 - 3
Config Protection 5	Low-Line Scale Voltage	GG	24982	Float	4	R W	n/a	0.001 - 3
Config Protection 5	Label	GG	24984	String	16	R W	n/a	0 - 16
Config Protection 6	Parameter Selection	GG	24986	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
Config Protection 6	Hysteresis	GG	24988	Float	4	R W	Percent	0 - 100
Config Protection 6	Arming Delay	GG	24990	Float	4	R W	Second	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Config Protection 6	Threshold 1 Type	GG	24992	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 6	Threshold 1 Pickup	GG	24994	Float	4	R W	n/a	-999999 - 999999
Config Protection 6	Threshold 1 Activation Delay	GG	24996	Float	4	R W	Second	0 - 300
Config Protection 6	Threshold 1 Alarm Configuration	GG	24998	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 6	Threshold 2 Type	GG	25000	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 6	Threshold 2 Pickup	GG	25008	Float	4	R W	n/a	-999999 - 999999
Config Protection 6	Threshold 2 Activation Delay	GG	25010	Float	4	R W	Second	0 - 300
Config Protection 6	Threshold 2 Alarm Configuration	GG	25012	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 6	Threshold 3 Type	GG	25014	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 6	Threshold 3 Pickup	GG	25016	Float	4	R W	n/a	-999999 - 999999
Config Protection 6	Threshold 3 Activation Delay	GG	25018	Float	4	R W	Second	0 - 300
Config Protection 6	Threshold 3 Alarm Configuration	GG	25020	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 6	Threshold 4 Type	GG	25022	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 6	Threshold 4 Pickup	GG	25024	Float	4	R W	n/a	-999999 - 999999
Config Protection 6	Threshold 4 Activation Delay	GG	25026	Float	4	R W	Second	0 - 300
Config Protection 6	Threshold 4 Alarm Configuration	GG	25028	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 6	Low-Line Scale Current	GG	25030	Float	4	R W	n/a	0.001 - 3
Config Protection 6	Low-Line Scale Voltage	GG	25032	Float	4	R W	n/a	0.001 - 3
Config Protection 6	Label	GG	25034	String	16	R W	n/a	0 - 16
Config Protection 7	Parameter Selection	GG	25036	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 Vab=16 Bus 1 Vbc=17 Bus 1 Vca=18 Bus 1 Vavg LL=19 Bus 1 Va=20 Bus 1 Vb=21 Bus 1 Vc=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 Van=29 Bus 2 Vbn=30 Bus 2 Vcn=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57 Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
Config Protection 7	Hysteresis	GG	25038	Float	4	R W	Percent	0 - 100
Config Protection 7	Arming Delay	GG	25040	Float	4	R W	Second	0 - 300
Config Protection 7	Threshold 1 Type	GG	25042	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 7	Threshold 1 Pickup	GG	25044	Float	4	R W	n/a	-999999 - 999999
Config Protection 7	Threshold 1 Activation Delay	GG	25046	Float	4	R W	Second	0 - 300
Config Protection 7	Threshold 1 Alarm Configuration	GG	25048	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 7	Threshold 2 Type	GG	25050	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 7	Threshold 2 Pickup	GG	25058	Float	4	R W	n/a	-999999 - 999999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Config Protection 7	Threshold 2 Activation Delay	GG	25060	Float	4	R W	Second	0 - 300
Config Protection 7	Threshold 2 Alarm Configuration	GG	25062	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 7	Threshold 3 Type	GG	25064	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 7	Threshold 3 Pickup	GG	25066	Float	4	R W	n/a	-999999 - 999999
Config Protection 7	Threshold 3 Activation Delay	GG	25068	Float	4	R W	Second	0 - 300
Config Protection 7	Threshold 3 Alarm Configuration	GG	25070	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 7	Threshold 4 Type	GG	25072	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 7	Threshold 4 Pickup	GG	25074	Float	4	R W	n/a	-999999 - 999999
Config Protection 7	Threshold 4 Activation Delay	GG	25076	Float	4	R W	Second	0 - 300
Config Protection 7	Threshold 4 Alarm Configuration	GG	25078	Uint32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 7	Low-Line Scale Current	GG	25080	Float	4	R W	n/a	0.001 - 3
Config Protection 7	Low-Line Scale Voltage	GG	25082	Float	4	R W	n/a	0.001 - 3
Config Protection 7	Label	GG	25084	String	16	R W	n/a	0 - 16
Config Protection 8	Parameter Selection	GG	25086	Int32	4	R W	n/a	No Parameter=0 Oil Pressure=1 Coolant Temp=2 Battery Volts=3 RPM=4 Fuel Level=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 Gen VAN=11 Gen VBN=12 Gen VCN=13 Gen Vavg LN=14 Bus 1 Hz=15 Bus 1 VAB=16 Bus 1 VBC=17 Bus 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 Bus 2 Hz=24 Bus 2 VAB=25 Bus 2 VBC=26 Bus 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 Bus 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 Bus 1 IA=46 Bus 1 IB=47 Bus 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I Aux=55 Gen kW A=56 Gen kW B=57

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								Gen kW C=58 Gen kW Total=59 Bus 1 kW A=60 Bus 1 kW B=61 Bus 1 kW C=62 Bus 1 kW Total=63 Bus 2 kW A=64 Bus 2 kW B=65 Bus 2 kW C=66 Bus 2 kW Total=67 Gen kVA A=68 Gen kVA B=69 Gen kVA C=70 Gen kVA Total=71 Bus 1 kVA A=72 Bus 1 kVA B=73 Bus 1 kVA C=74 Bus 1 kVA Total=75 Bus 2 kVA A=76 Bus 2 kVA B=77 Bus 2 kVA C=78 Bus 2 kVA Total=79 Gen kvar A=80 Gen kvar B=81 Gen kvar C=82 Gen kvar Total=83 Bus 1 kvar A=84 Bus 1 kvar B=85 Bus 1 kvar C=86 Bus 1 kvar Total=87 Bus 2 kvar A=88 Bus 2 kvar B=89 Bus 2 kvar C=90 Bus 2 kvar Total=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
								AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
Config Protection 8	Hysteresis	GG	25088	Float	4	R W	Percent	0 - 100
Config Protection 8	Arming Delay	GG	25090	Float	4	R W	Second	0 - 300
Config Protection 8	Threshold 1 Type	GG	25092	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 8	Threshold 1 Pickup	GG	25094	Float	4	R W	n/a	-999999 - 999999
Config Protection 8	Threshold 1 Activation Delay	GG	25096	Float	4	R W	Second	0 - 300
Config Protection 8	Threshold 1 Alarm Configuration	GG	25098	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 8	Threshold 2 Type	GG	25100	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 8	Threshold 2 Pickup	GG	25108	Float	4	R W	n/a	-999999 - 999999
Config Protection 8	Threshold 2 Activation Delay	GG	25110	Float	4	R W	Second	0 - 300
Config Protection 8	Threshold 2 Alarm Configuration	GG	25112	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 8	Threshold 3 Type	GG	25114	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 8	Threshold 3 Pickup	GG	25116	Float	4	R W	n/a	-999999 - 999999
Config Protection 8	Threshold 3 Activation Delay	GG	25118	Float	4	R W	Second	0 - 300
Config Protection 8	Threshold 3 Alarm Configuration	GG	25120	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Range
Config Protection 8	Threshold 4 Type	GG	25122	Int32	4	R W	n/a	Disabled=0 Over=1 Under=2
Config Protection 8	Threshold 4 Pickup	GG	25124	Float	4	R W	n/a	-999999 - 999999
Config Protection 8	Threshold 4 Activation Delay	GG	25126	Float	4	R W	Second	0 - 300
Config Protection 8	Threshold 4 Alarm Configuration	GG	25128	UInt32	4	R W	n/a	Status Only=0 Pre-Alarm=1 Alarm=2
Config Protection 8	Low-Line Scale Current	GG	25130	Float	4	R W	n/a	0.001 - 3
Config Protection 8	Low-Line Scale Voltage	GG	25132	Float	4	R W	n/a	0.001 - 3
Config Protection 8	Label	GG	25134	String	16	R W	n/a	0 - 16

Legacy Register Table

The DGC-2020HD maps all legacy parameters previously associated with the DGC-2020 into the Holding Register address space (4XXXXX). Query address N will access the Holding Register N+1. The Data Format is Integer type data unless identified otherwise in the Data Format column.

The register table on the following pages contains the following groups:

Breaker Management, Bias Control Settings, Pulse Outputs, Bus Condition Detection, Senders, System Configuration and Status, Control, Communication, Protection, Alarms, and Metering.

Breaker Management

Register	Description	Type	Units	Scaling Factor	R/W	Range
42000	Gen Breaker Configured	Int32	n/a	n/a	RW	0 = Not Configured 1 = Configured
42002	Gen Breaker Open Pulse Time	Int32	Centisecond	Centi	RW	1 - 80
42004	Gen Breaker Close Pulse Time	Int32	Centisecond	Centi	RW	1 - 80
42006	Gen Breaker Contact Type	Int32	n/a	n/a	RW	0 = Pulse 1 = Continuous
42008	Gen Breaker Close Time	Int32	Millisecond	n/a	RW	0 - 800
42010	Reserved					
42012	Mains Breaker Configured	Int32	n/a	n/a	RW	0 = Not Configured 1 = Configured
42014	Mains Breaker Open Pulse Time	Int32	Centisecond	Centi	RW	1 - 80
42016	Mains Breaker Close Pulse Time	Int32	Centisecond	Centi	RW	1 - 80
42018	Mains Breaker Output Continuous	Int32	n/a	n/a	RW	0 = Pulse 1 = Continuous
42020	Mains Breaker Close Time	Int32	Millisecond	n/a	RW	0 - 800
42022	Reserved					
42024	Synchronizer Type	Int32	n/a	n/a	RW	1 = Anticipatory 2 = Phase Lock Loop
42026	Synchronizer Mode	Int32	n/a	n/a	RW	0 = Off Mode 1 = Auto Mode
42028	Slip Frequency	Int32	CentiHertz	Centi	RW	1 - 50
42030	Breaker Closing Angle	Int32	DeciDegree	Deci	RW	30 - 200
42032	Regulation Offset	Int32	DeciPercent	Deci	RW	20 - 150
42034	Vgen > Vbus	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42036	Fgen > Fbus	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42038-40	Reserved					
42042	Breaker Close Wait Time	Float	Second	n/a	RW	0.1 - 600
42044	Sync Time Delay	Float	Second	n/a	RW	0.1 - 0.8
42046	Sync Fail Time Delay	Float	Second	n/a	RW	0.1 - 600
42048	Mains Fail Transfer Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42050	Gen Breaker Status	Int32	n/a	n/a	R	0 = Open 1 = Closed
42052	Mains Breaker Status	Int32	n/a	n/a	R	0 = Open 1 = Closed
42054	Mains Fail Transfer Delay	Int32	Second	n/a	RW	0 - 300
42056	Mains Fail Return Delay	Int32	Second	n/a	RW	0 - 1800
42058	Mains Fail Max Transfer Time	Int32	Second	n/a	RW	1 - 120
42060	Reserved					
42062	Dead Bus Close Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42064	Sync Speed Gain	Float	n/a	n/a	RW	0.001 - 1000
42066	Sync Voltage Gain	Float	n/a	n/a	RW	0.001 - 1000
42068	Max Parallel Time	Int32	Second	Deci	RW	1 - 100000
42070	Mains Fail Transfer Type	Int32	n/a	n/a	RW	0 = Open 1 = Close
42072	In Phase Monitor Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42074	Dead Gen Close Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42076	Reserved					
42078	Min Slip Control Limit	Int32	n/a	Centi	RW	0 - 200
42080	Max Slip Control Limit	Int32	n/a	Centi	RW	0 - 200
42082	Rev. Rotation Mains Fail Inhibit	Int32	n/a	n/a	RW	0 = Disable 1 = Enable

Bias Control Settings

Register	Description	Type	Units	Scaling Factor	R/W	Range
42250	AVR Kp Proportional Gain	Float	n/a	n/a	RW	0 - 1000
42252	AVR Ki Integral Gain	Float	n/a	n/a	RW	0 - 1000
42254	AVR Kd Derivative Gain	Float	n/a	n/a	RW	0 - 1000
42256	AVR Td Filter Constant	Float	n/a	n/a	RW	0 - 1
42258	AVR Kg Loop Gain	Float	n/a	n/a	RW	0 - 1000
42260	AVR Windup Limit	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42262	AVR Integrator Limit Plus	Float	n/a	n/a	RW	0 - 1000
42264	AVR Integrator Limit Minus	Float	n/a	n/a	RW	(-1000) - 0
42266	AVR Output Upper Limit	Float	n/a	n/a	RW	0 - 1000
42268	AVR Output Lower Limit	Float	n/a	n/a	RW	(-1000) - 0
42270	Reserved					
42272	Governor Kp Proportional Gain	Float	n/a	n/a	RW	0 - 1000
42274	Governor Ki Integral Gain	Float	n/a	n/a	RW	0 - 1000
42276	Governor Kd Derivative Gain	Float	n/a	n/a	RW	0 - 1000
42278	Governor Td Filter Constant	Float	n/a	n/a	RW	0 - 1
42280	Governor Loop Gain	Float	n/a	n/a	RW	0 - 1000
42282	Governor Windup Limit	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42284	Governor Integrator Limit Plus	Float	n/a	n/a	RW	0 - 1000
42286	Governor Integrator Limit Minus	Float	n/a	n/a	RW	(-1000) - 0
42288	Governor Output Upper Limit	Float	n/a	n/a	RW	0 - 1000
42290	Governor Output Lower Limit	Float	n/a	n/a	RW	(-1000) - 0
42292	Reserved					
42294	kvar Kp	Float	n/a	n/a	RW	0 - 1000
42296	kvar Ki	Float	n/a	n/a	RW	0 - 1000
42298	kvar Kd	Float	n/a	n/a	RW	0 - 1000
42300	kvar Td	Float	n/a	n/a	RW	0 - 1
42302	kvar Loop Gain	Float	n/a	n/a	RW	0 - 1000
42304	kvar Windup Limit	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42306	kvar Integrator Limit Plus	Float	n/a	n/a	RW	0 - 1000
42308	kvar Integrator Limit Minus	Float	N/A	n/a	RW	(-1000) - 0
42310	kvar Output Upper Limit	Float	n/a	n/a	RW	0 - 1000
42312	kvar Output Lower Limit	Float	n/a	n/a	RW	(-1000) - 0
42314	Reserved					
42316	kW Kp	Float	n/a	n/a	RW	0 - 1000
42318	kW Ki	Float	n/a	n/a	RW	0 - 1000
42320	kW Kd	Float	n/a	n/a	RW	0 - 1000
42322	kW Td	Float	n/a	n/a	RW	0 - 1
42324	kW Loop Gain	Float	n/a	n/a	RW	0 - 1000
42326	kW Windup Limit	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42328	kW Integrator Limit Plus	Float	n/a	n/a	RW	0 - 1000
42330	kW Integrator Limit Minus	Float	n/a	n/a	RW	(-1000) - 0
42332	kW Output Upper Limit	Float	n/a	n/a	RW	0 - 1000
42334	kW Output Lower Limit	Float	n/a	n/a	RW	(-1000) - 0
42336	Reserved					
42338	Droop Percent	Float	Percent	n/a	RW	0 - 10
42340	Load Control	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42342	kW Load Rate	Int32	n/a	Deci	RW	0 - 1000
42344	Breaker Open Setpoint	Int32	n/a	Deci	RW	0 - 1000
42346	AVR Bias Control Output Type	Int32	n/a	n/a	RW	0 = Contact 1 = Analog
42348	Governor Bias Control Output Type	Int32	n/a	n/a	RW	0 = Contact 1 = Analog
42350	Speed Droop Gain	Float	n/a	n/a	RW	0 - 1000
42352	Voltage Droop Gain	Float	n/a	n/a	RW	0 - 1000
42354	Speed Trim Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42356	Voltage Trim Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42358	Ramped Watt Demand Per Unit	Float	n/a	n/a	R	0 - 100
42360	Watt Demand Per Unit	Float	n/a	n/a	R	0 - 100
42362	Speed PID Output	Float	n/a	n/a	R	0 - 100
42364	kW PID Output	Float	n/a	n/a	R	0 - 100
42366	Volt PID Output	Float	n/a	n/a	R	0 - 100
42368	Speed Trim Setpoint	UInt32	DeciHertz	Centi	RW	4700 - 44000
42370	var Control Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42372	kvar Load Rate	UInt32	n/a	Deci	RW	1 - 1000

Register	Description	Type	Units	Scaling Factor	R/W	Range
42374	Base Load Level Source	Uint32	n/a	n/a	RW	0 = User Setting 1 = Local Analog Input 1 2 = Local Analog Input 2 3 = Local Analog Input 3 4 = Local Analog Input 4 5 = AEM 1 Analog Input 1 6 = AEM 1 Analog Input 2 7 = AEM 1 Analog Input 3 8 = AEM 1 Analog Input 4 9 = AEM 1 Analog Input 5 10 = AEM 1 Analog Input 6 11 = AEM 1 Analog Input 7 12 = AEM 1 Analog Input 8 13 = AEM 2 Analog Input 1 14 = AEM 2 Analog Input 2 15 = AEM 2 Analog Input 3 16 = AEM 2 Analog Input 4 17 = AEM 2 Analog Input 5 18 = AEM 2 Analog Input 6 19 = AEM 2 Analog Input 7 20 = AEM 2 Analog Input 8 21 = AEM 3 Analog Input 1 22 = AEM 3 Analog Input 2 23 = AEM 3 Analog Input 3 24 = AEM 3 Analog Input 4 25 = AEM 3 Analog Input 5 26 = AEM 3 Analog Input 6 27 = AEM 3 Analog Input 7 28 = AEM 3 Analog Input 8 29 = AEM 4 Analog Input 1 30 = AEM 4 Analog Input 2 31 = AEM 4 Analog Input 3 32 = AEM 4 Analog Input 4 33 = AEM 4 Analog Input 5 34 = AEM 4 Analog Input 6 35 = AEM 4 Analog Input 7 36 = AEM 4 Analog Input 8
42376	kvar Setpoint Source	Uint32	n/a	n/a	RW	0 = User Setting 1 = Local Analog Input 1 2 = Local Analog Input 2 3 = Local Analog Input 3 4 = Local Analog Input 4 5 = AEM 1 Analog Input 1 6 = AEM 1 Analog Input 2 7 = AEM 1 Analog Input 3 8 = AEM 1 Analog Input 4 9 = AEM 1 Analog Input 5 10 = AEM 1 Analog Input 6 11 = AEM 1 Analog Input 7 12 = AEM 1 Analog Input 8 13 = AEM 2 Analog Input 1 14 = AEM 2 Analog Input 2 15 = AEM 2 Analog Input 3 16 = AEM 2 Analog Input 4 17 = AEM 2 Analog Input 5 18 = AEM 2 Analog Input 6 19 = AEM 2 Analog Input 7 20 = AEM 2 Analog Input 8 21 = AEM 3 Analog Input 1 22 = AEM 3 Analog Input 2 23 = AEM 3 Analog Input 3 24 = AEM 3 Analog Input 4 25 = AEM 3 Analog Input 5 26 = AEM 3 Analog Input 6 27 = AEM 3 Analog Input 7 28 = AEM 3 Analog Input 8 29 = AEM 4 Analog Input 1 30 = AEM 4 Analog Input 2 31 = AEM 4 Analog Input 3 32 = AEM 4 Analog Input 4 33 = AEM 4 Analog Input 5 34 = AEM 4 Analog Input 6 35 = AEM 4 Analog Input 7 36 = AEM 4 Analog Input 8

Register	Description	Type	Units	Scaling Factor	R/W	Range
42378	PF Setpoint Source	Uint32	n/a	n/a	RW	0 = User Setting 1 = Local Analog Input 1 2 = Local Analog Input 2 3 = Local Analog Input 3 4 = Local Analog Input 4 5 = AEM 1 Analog Input 1 6 = AEM 1 Analog Input 2 7 = AEM 1 Analog Input 3 8 = AEM 1 Analog Input 4 9 = AEM 1 Analog Input 5 10 = AEM 1 Analog Input 6 11 = AEM 1 Analog Input 7 12 = AEM 1 Analog Input 8 13 = AEM 2 Analog Input 1 14 = AEM 2 Analog Input 2 15 = AEM 2 Analog Input 3 16 = AEM 2 Analog Input 4 17 = AEM 2 Analog Input 5 18 = AEM 2 Analog Input 6 19 = AEM 2 Analog Input 7 20 = AEM 2 Analog Input 8 21 = AEM 3 Analog Input 1 22 = AEM 3 Analog Input 2 23 = AEM 3 Analog Input 3 24 = AEM 3 Analog Input 4 25 = AEM 3 Analog Input 5 26 = AEM 3 Analog Input 6 27 = AEM 3 Analog Input 7 28 = AEM 3 Analog Input 8 29 = AEM 4 Analog Input 1 30 = AEM 4 Analog Input 2 31 = AEM 4 Analog Input 3 32 = AEM 4 Analog Input 4 33 = AEM 4 Analog Input 5 34 = AEM 4 Analog Input 6 35 = AEM 4 Analog Input 7 36 = AEM 4 Analog Input 8
42380-84	Reserved					
42386	Baseload Analog Max	Int32	Percent	Deci	RW	0 - 1000
42388	Baseload Analog Min	Int32	Percent	Deci	RW	0 - 1000
42390	kvar Analog Max	Int32	Percent	Deci	RW	(-1000) - 1000
42392	kvar Analog Min	Int32	Percent	Deci	RW	(-1000) - 1000
42394	PF Analog Max	Int32	n/a	Centi	RW	160 - 240
42396	PF Analog Min	Int32	n/a	Centi	RW	160 - 240
42398	var Droop Percentage	Float	Percent	n/a	RW	0 - 10
42400-06	Reserved					
42408	Base Load Level	Float	Percent	n/a	RW	0 - 100
42410	kvar Setpoint	Float	Percent	n/a	RW	(-100) - 100
42412	PF Setpoint	Int32	n/a	Centi	RW	160 - 240
42414	var Control Mode	Int32	n/a	n/a	RW	0 = var Control 1 = PF Control
42416	Load Share Interface	Int32	n/a	n/a	RW	0 = Analog Load Share Line 1 = Ethernet Comms

Register	Description	Type	Units	Scaling Factor	R/W	Range
42418	Remote Speed Bias Source	Int32	n/a	n/a	RW	0 = None 1 = Local Analog Input 1 2 = Local Analog Input 2 3 = Local Analog Input 3 4 = Local Analog Input 4 5 = AEM 1 Analog Input 1 6 = AEM 1 Analog Input 2 7 = AEM 1 Analog Input 3 8 = AEM 1 Analog Input 4 9 = AEM 1 Analog Input 5 10 = AEM 1 Analog Input 6 11 = AEM 1 Analog Input 7 12 = AEM 1 Analog Input 8 13 = AEM 2 Analog Input 1 14 = AEM 2 Analog Input 2 15 = AEM 2 Analog Input 3 16 = AEM 2 Analog Input 4 17 = AEM 2 Analog Input 5 18 = AEM 2 Analog Input 6 19 = AEM 2 Analog Input 7 20 = AEM 2 Analog Input 8 21 = AEM 3 Analog Input 1 22 = AEM 3 Analog Input 2 23 = AEM 3 Analog Input 3 24 = AEM 3 Analog Input 4 25 = AEM 3 Analog Input 5 26 = AEM 3 Analog Input 6 27 = AEM 3 Analog Input 7 28 = AEM 3 Analog Input 8 29 = AEM 4 Analog Input 1 30 = AEM 4 Analog Input 2 31 = AEM 4 Analog Input 3 32 = AEM 4 Analog Input 4 33 = AEM 4 Analog Input 5 34 = AEM 4 Analog Input 6 35 = AEM 4 Analog Input 7 36 = AEM 4 Analog Input 8
42420-23	Reserved					
42424	Load Sharing Aux Input Source	Int32	n/a	n/a	RW	0 = Local Aux Input 1 = System Manager
42426	kW Ramp Status	Int32	n/a	n/a	R	0 - 2
42428	kvar Ramp Status	Int32	n/a	n/a	R	0 - 2

Pulse Outputs

Register	Description	Type	Units	Scaling Factor	R/W	Range
42500	AVR Correction Pulse Width	Int32	Decisecond	Deci	RW	0 - 999
42502	AVR Correction Pulse Interval	Int32	Decisecond	Deci	RW	0 - 999
42504	AVR Bias Contact Type	Int32	n/a	n/a	RW	0 = Continuous 1 = Proportional
42506	Reserved					
42508	Governor Correction Pulse Width	Int32	Decisecond	Deci	RW	0 - 999
42510	Governor Correction Pulse Interval	Int32	Decisecond	Deci	RW	0 - 999
42512	Governor Bias Contact Type	Int32	Decisecond	Deci	RW	0 = Continuous 1 = Proportional

Bus Condition Detection

Register	Description	Type	Units	Scaling Factor	R/W	Range
42750	Gen Sensing Dead Bus Pickup	Int32	Volt	n/a	RW	0 - 4800
42752	Gen Sensing Dead Bus Time Delay	Int32	Decisecond	Deci	RW	1 - 6000
42754	Reserved					
42756	Gen Sensing Stable Undervoltage Pickup	Int32	Volt	n/a	RW	10 - 99999
42758	Gen Sensing Stable Undervoltage Dropout	Int32	Volt	n/a	RW	10 - 99999
42760	Gen Sensing Stable Overvoltage	Int32	Volt	n/a	RW	10 - 99999
42762	Gen Sensing Stable Overvoltage Dropout	Int32	Volt	n/a	RW	10 - 99999
42764	Gen Sensing Stable Underfrequency Pickup	Int32	CentiHertz	Centi	RW	4600 - 6400
42766	Gen Sensing Stable Underfrequency Dropout	Int32	CentiHertz	Centi	RW	4600 - 6400
42768	Gen Sensing Stable Overfrequency Pickup	Int32	CentiHertz	Centi	RW	4600 - 6400
42770	Gen Sensing Stable Overfrequency Dropout	Int32	CentiHertz	Centi	RW	4600 - 6400
42772	Gen Sensing Fail Time Delay	Int32	Decisecond	Deci	RW	1 - 6000
42774	Gen Sensing Stable Time Delay	Int32	Decisecond	Deci	RW	1 - 6000
42776	Reserved					
42778	Bus Sensing Dead Bus Pickup	Int32	Volt	n/a	RW	0 - 4800
42780	Bus Sensing Dead Bus Time Delay	Int32	Decisecond	Deci	RW	1 - 6000
42782	Reserved					

Register	Description	Type	Units	Scaling Factor	R/W	Range
42784	Bus Sensing Stable Undervoltage Pickup	Int32	Volt	n/a	RW	10 - 9999
42786	Bus Sensing Stable Undervoltage Dropout	Int32	Volt	n/a	RW	10 - 9999
42788	Bus Sensing Stable Overvoltage Pickup	Int32	Volt	n/a	RW	10 - 9999
42790	Bus Sensing Stable Overvoltage Dropout	Int32	Volt	n/a	RW	10 - 9999
42792	Bus Sensing Stable Underfrequency Pickup	Int32	CentiHertz	Centi	RW	4600 - 6400
42794	Bus Sensing Stable Underfrequency Dropout	Int32	CentiHertz	Centi	RW	4600 - 6400
42796	Bus Sensing Stable Overfrequency Pickup	Int32	CentiHertz	Centi	RW	4600 - 6400
42798	Bus Sensing Stable Overfrequency Dropout	Int32	CentiHertz	Centi	RW	4600 - 6400
42800	Bus Sensing Fail Time Delay	Int32	Decisecond	Deci	RW	1 - 6000
42802	Bus Sensing Stable Time Delay	Int32	Decisecond	Deci	RW	1 - 6000
42804	Reserved					
42806	Gen Dead Status	Int32	n/a	n/a	R	0 - 1
42808	Gen Stable Status	Int32	n/a	n/a	R	0 - 1
42810	Gen Fail Status	Int32	n/a	n/a	R	0 - 1
42812	Bus Dead Status	Int32	n/a	n/a	R	0 - 1
42814	Bus Stable Status	Int32	n/a	n/a	R	0 - 1
42816	Bus Fail Status	Int32	n/a	n/a	R	0 - 1
42818	Gen Stable Low Line Scale Factor	Float	n/a	n/a	RW	0.001 - 3
42820	Bus Stable Low Line Scale Factor	Float	n/a	n/a	RW	0.001 - 3
42822	Gen Stable Alternate Frequency Scale Factor	Float	n/a	n/a	RW	0.001 - 100
42824	Bus Stable Alternate Frequency Scale Factor	Float	n/a	n/a	RW	0.001 - 100

Senders

Register	Description	Type	Units	Scaling Factor	R/W	Range
43434	Coolant Temperature Sender Fail Configuration Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
43436	Coolant Temperature Sender Fail Activation Delay	Int32	Minute	n/a	RW	5 - 30
43438	Oil Pressure Sender Fail Configuration Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
43440	Oil Pressure Sender Fail Activation Delay	Int32	Second	n/a	RW	0 - 300
43442	Fuel Level Sender Fail Configuration Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
43444	Fuel Level Sender Fail Activation Delay	Int32	Second	n/a	RW	0 - 300
43446	Voltage Sensing Fail Configuration Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
43448	Voltage Sensing Fail Activation Delay	Int32	Second	n/a	RW	0 - 300
43450	Low Coolant Level Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
43452	Low Coolant Level Config Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
43454	Low Coolant Level Time Delay	Int32	Second	n/a	RW	0 - 300

Register	Description	Type	Units	Scaling Factor	R/W	Range
43456	Battery Charge Failed Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
43458	Battery Charge Failed Config Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
43460	Battery Charge Failed Time Delay	Int32	Second	n/a	RW	0 - 300
43462	Fuel Leak Detect Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
43464	Fuel Leak Detect Config Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
43466	Fuel Leak Detect Time Delay	Int32	Second	n/a	RW	0 - 300
43468	User Configurable Input 1 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43470	User Configurable Input 2 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43472	User Configurable Input 3 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43474	User Configurable Input 4 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43476	User Configurable Input 5 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43478	User Configurable Input 6 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43480	User Configurable Input 7 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43482	User Configurable Input 8 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43484	User Configurable Input 9 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43486	User Configurable Input 10 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43488	User Configurable Input 11 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43490	User Configurable Input 12 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43492	User Configurable Input 13 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43494	User Configurable Input 14 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43496	User Configurable Input 15 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43498	User Configurable Input 16 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only

System Configuration and Status

Register	Description	Type	Units	Scaling Factor	R/W	Range
43500	Rated Volts	Float	Volt	n/a	RW	1 - 99999

Register	Description	Type	Units	Scaling Factor	R/W	Range
43502	Pre-Start Contact Config	Int32	n/a	n/a	RW	0 = Open After Disconnect 1 = Closed While Running
43504	System Units	Int32	n/a	n/a	RW	0 = English 1 = Metric
43506	Battery Volts	Int32	n/a	n/a	RW	0 = 12V 1 = 24V
43508	Off Mode Status	Int32	n/a	n/a	R	0 = Disable 1 = Enable
43510	Run Mode Status	Int32	n/a	n/a	R	0 = Disable 1 = Enable
43512	Auto Mode Status	Int32	n/a	n/a	R	0 = Disable 1 = Enable
43514	Virtual Input 1 Status	Int32	n/a	n/a	R	0 = Disable 1 = Enable
43516	Virtual Input 2 Status	Int32	n/a	n/a	R	0 = Disable 1 = Enable
43518	Virtual Input 3 Status	Int32	n/a	n/a	R	0 = Disable 1 = Enable
43520	Virtual Input 4 Status	Int32	n/a	n/a	R	0 = Disable 1 = Enable
43522	RTC Clock Hour	Int32	Hour	n/a	RW	0 - 23
43524	RTC Minute	Int32	Minute	n/a	RW	0 - 59
43526	RTC Second	Int32	Second	n/a	RW	0 - 59
43528	RTC Month	Int32	n/a	n/a	RW	1 - 12
43530	RTC Day	Int32	n/a	n/a	RW	1 - 31
43532	RTC Year	Int32	n/a	n/a	RW	0 - 99
43534	Reserved					
43536	Gen PT Primary	Int32	Volt	n/a	RW	1 - 99999
43538	Gen PT Secondary	Int32	Volt	n/a	RW	1 - 480
43540	Gen CT Primary	Int32	Amp	n/a	RW	1 - 9999
43542	Bus PT Primary	Int32	Volt	n/a	RW	1 - 99999
43544	Bus PT Secondary	Int32	Volt	n/a	RW	1 - 480
43546	Cranking Style	Uint32	n/a	n/a	RW	0 = Continuous 1 = Cycle
43548	Number of Crank Cycles	Uint32	n/a	n/a	RW	1 - 7
43550	Cycle Crank Time	Unit32	Second	n/a	RW	5 - 15
43552	Continuous Crank Time	Unit32	Second	n/a	RW	5 - 60
43554	Crank Disconnect Limit	Uint32	Percent	n/a	RW	10 - 100
43556	Pre Crank Delay	Unit32	Second	n/a	RW	0 - 30
43558	Configured Gen Connection	Uint32	n/a	n/a	RW	0 = Delta 1 = Wye 2 = 1-phase AB 3 = 1-phase AC 4 = Grounded Delta
43560	Gen Rated Frequency	Int32	Hertz	n/a	RW	0 = 50 Hz 1 = 60 Hz
43562	Rated kW	Uint32	kilowatt	n/a	RW	5 - 9999
43564	Rated Engine RPM	Uint32	RPM	n/a	RW	750 - 3600
43566	No Load Cool Down Time	Unit32	Minute	n/a	RW	0 - 60
43568	EPS Current Threshold	Int32	Percent CT Pri	n/a	RW	3 - 10
43570	Fuel Level Function	Unit32	n/a	n/a	RW	0 = Disable 1 = Fuel Lvl 2 = Natural Gas 3 = Propane
43572	Number Flywheel Teeth	Unit32	n/a	n/a	RW	1 - 500
43574	Speed Signal Source	Unit32	n/a	n/a	RW	1 = MPU 2 = Gen Freq 3 = MPU Freq
43576	NFPA Level	Unit32	n/a	n/a	RW	0 = Zero 1 = One 2 = Two
43578	Horn Enable	Int32	n/a	n/a	RW	0 = Disabled 1 = Enabled
43580	Single-Phase Override Sensing	Unit32	n/a	n/a	RW	0 = AB 1 = AC
43582	Reserved					
43584	LCD Contrast Value	Unit32	n/a	n/a	RW	0 - 100
43586	Front Panel Sleep Mode	Unit32	n/a	n/a	RW	0 = Disabled 1 = Enabled
43588	Reserved					
43590	UTC Offset	Int32	Minute	n/a	RW	(-1440) - 1440
43592	DST Configuration	Int32	n/a	n/a	RW	0 = Disabled 1 = Floating 2 = Fixed
43594	Start/End Time Reference	Int32	n/a	n/a	RW	0 = Local Time 1 = UTC Time
43596	DST Bias Hours	Int32	n/a	n/a	RW	0 - 23
43598	DSP Bias Minutes	Int32	n/a	n/a	RW	0 - 59

Register	Description	Type	Units	Scaling Factor	R/W	Range
43600	DST Start Month	Int32	n/a	n/a	RW	1 = January 2 = February 3 = March 4 = April 5 = May 6 = June 7 = July 8 = August 9 = September 10 = October 11 = November 12 = December
43602	DST Start Day	Int32	n/a	n/a	RW	1 - 31
43604	DST Start Week of Month	Int32	n/a	n/a	RW	0 = First 1 = Second 2 = Third 3 = Fourth 4 = Last
43606	DST Start Day of Week	Int32	n/a	n/a	RW	0 = Sunday 1 = Monday 2 = Tuesday 3 = Wednesday 4 = Thursday 5 = Friday 6 = Saturday
43608	DST Start Hour	Int32	n/a	n/a	RW	0 - 23
43610	DST Start Minute	Int32	n/a	n/a	RW	0 - 59
43612	DST End Month	Int32	n/a	n/a	RW	1 = January 2 = February 3 = March 4 = April 5 = May 6 = June 7 = July 8 = August 9 = September 10 = October 11 = November 12 = December
43614	DST End Day	Int32	n/a	n/a	RW	1 - 31
43616	DST End Week of Month	Int32	n/a	n/a	RW	0 = First 1 = Second 2 = Third 3 = Fourth 4 = Last
43618	DST End Day of Week	Int32	n/a	n/a	RW	0 = Sunday 1 = Monday 2 = Tuesday 3 = Wednesday 4 = Thursday 5 = Friday 6 = Saturday
43620	DST End Hour	Int32	n/a	n/a	RW	0 - 23
43622	DST End Minute	Int32	n/a	n/a	RW	0 - 59
43624	EPS Low Line Scale Factor	Float	n/a	n/a	RW	0.001 - 3
43626	Rated Power Factor	Float	Power Factor	n/a	RW	(-1) - 1
43628	Prestart Rest Configuration	Int32	n/a	n/a	RW	0 = Off During Rest 1 = On During Rest 2 = Preheat before Crank
43630	Oil Pressure Crank Disconnect	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
43632	Crank Disconnect Pressure	UInt32	PSI	Deci	RW	29 - 1500
43634	Crank Disconnect Pressure in kPa	UInt32	kPa	Deci	RW	200 - 10345
43636	Power Up Delay	UInt32	Second	n/a	RW	0 - 60
43638	Auto Config Detect Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43640	Low Line Detect Threshold	Int32	Volt	n/a	RW	0 - 480
43642	Single-Phase Detect Threshold	Int32	Volt	n/a	RW	0 - 480
43644	Start Relay Control	UInt32	n/a	n/a	RW	0 = Predefined 1 = Programmable
43646	Run Relay Control	UInt32	n/a	n/a	RW	0 = Predefined 1 = Programmable
43648	Prestart Relay Control	UInt32	n/a	n/a	RW	0 = Predefined 1 = Programmable
43650	Single-Phase Connect Generator Detection	Int32	n/a	n/a	RW	0 = A-B 1 = A-C
43652	Off Mode Cool Down Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
43654	Reserved					

Register	Description	Type	Units	Scaling Factor	R/W	Range
43656	Not In Auto Horn Enable	Uint32	n/a	n/a	RW	0 = Disable 1 = Enable
43658	Clock Not Set Warning Enable	Uint32	n/a	n/a	RW	0 = Disable 1 = Enable
43660	Alternate Frequency	Int32	Hertz	Centi	RW	1000 - 9000
43662	Generator System Type	Int32	n/a	n/a	RW	0 = Single Generator 1 = Multiple Generator
43664	Gen CT Low Line Scale Factor	Float	n/a	n/a	RW	0.001 - 3
43666	Metric Pressure Units	Int32	n/a	n/a	RW	0 = Bar 1 = kPa
43668	System Units	Int32	n/a	n/a	RW	0 = English 1 = Metric
43674	RPM Bandwidth Data	Int32	n/a	n/a	RW	0 - 1000
43676	Number Flywheel Teeth	Uint32	n/a	Deci	RW	10 - 5000
43678	Phase Rotation	Int32	n/a	n/a	RW	0 = ACB 1 = ABC
43680	Restart Delay	Int32	Second	n/a	RW	0 - 120
43682	Configured Bus Connection	Uint32	n/a	n/a	RW	0 = Single-Phase 1 = Three-Phase
43684	Fuel Level Source	Int32	n/a	n/a	RW	1 - 9
43686	Fuel Level Percent Max	Int32	n/a	n/a	RW	0 - 150
43688	Fuel Level Percent Min	Int32	n/a	n/a	RW	0 - 150

Control

Register	Description	Type	Units	Scaling Factor	R/W	Range
43750	Emergency Stop: Writing a 1 will toggle emergency stop from off to on. Writing a 1 again will toggle emergency stop from on to off	Int32	n/a	n/a	RW	1 = Toggle On/Off
43752	Remote Start	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43754	Remote Stop	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43756	Run Mode	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43758	Off Mode	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43760	Auto Mode	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43762	Alarm Reset	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43764	Gen Breaker Open	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43766	Gen Breaker Close	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43768	Mains Breaker Open	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43770	Mains Breaker Close	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43772	Reserved					
43774	Virtual Input 1 Close	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43776	Virtual Input 1 Open	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43778	Virtual Input 2 Close	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43780	Virtual Input 2 Open	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43782	Virtual Input 3 Close	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43784	Virtual Input 3 Open	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43786	Virtual Input 4 Close	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43788	Virtual Input 4 Open	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43790	ESTOP Latch Status	Int32	n/a	n/a	R	0 = Disabled 1 = Enabled
43792	Gen Breaker Open	Int32	n/a	n/a	RW	1 = Operate (non-latching)
43794	Gen Breaker Close	Int32	n/a	n/a	RW	1 = Operate (non-latching)
43796	Mains Breaker Open	Int32	n/a	n/a	RW	1 = Operate (non-latching)
43798	Mains Breaker Close	Int32	n/a	n/a	RW	1 = Operate (non-latching)

Communication

Register	Description	Type	Units	Scaling Factor	R/W	Range
44008-16	Reserved					
44018	Modem Inter Dialout Activation Delay	Int32	Second	n/a	RW	0 = 15 1 = 30 2 = 60 3 = 120
44020	Modem Pager Buffer Limit	Int32	n/a	n/a	RW	0 = 80 Chars 1 = 120 Chars 2 = 160 Chars 3 = 200 Chars
44022	Modem Pager Coms Data Format	Int32	n/a	n/a	RW	0 = 8 bit, no parity 1 = 7 bit, even parity
44024-30	Reserved					
44032	CANBus Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44034	DTC Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44036	Rings for Modem Answer	Int32	n/a	n/a	RW	1 - 9
44038	Modem Offline Delay	Int32	Minute	n/a	RW	1 - 240
44040	Modbus Baud Rate	UInt32	n/a	n/a	RW	1200 = 1200 Baud 2400 = 2400 Baud 4800 = 4800 Baud 9600 = 9600 Baud 19200 = 19200 Baud 38400 = 38400 Baud 57600 = 57600 Baud 115200 = 115200 Baud
44042	Modbus Parity	Int32	n/a	n/a	RW	0 = Even Parity 1 = Odd Parity 2 = No Parity
44044	Modbus Address	Int32	n/a	n/a	RW	1 - 247
44046-49	Reserved					
44050	DHCP Enabled	UInt32	n/a	n/a	R	0 = Disabled 1 = Enabled
44052-56	Reserved					
44058	CEM-2020 Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44060	Reserved					
44062	AEM-2020 Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44064	CEM Outputs	Int32	n/a	n/a	RW	0 = 18 Outputs 1 = 24 Outputs
44066-67	Reserved					
44068	Active IP Address	UInt32	n/a	n/a	R	0 - 4294967295
44070	Gateway IP Address	UInt32	n/a	n/a	R	0 - 4294967295
44072	Subnet Mask	UInt32	n/a	n/a	R	0 - 4294967295

Protection

Register	Description	Type	Units	Scaling Factor	R/W	Range
44250	3 Phase Overcurrent Pickup (51-1)	UInt32	CentiAmp	Centi	RW	18 - 775
44252	3 Phase Overcurrent Time Dial (51-1)	UInt32	DeciUnit	Deci	RW	0 - 72000
44254	3 Phase Overcurrent Curve (51-1)	UInt32	n/a	n/a	RW	0 = S1 Curve 1 = S2 Curve 2 = L1 Curve 3 = L2 Curve 4 = D Curve 5 = M Curve 6 = I1 Curve 7 = I2 Curve 8 = V1 Curve 9 = V2 Curve 10 = E1 Curve 11 = E2 Curve 12 = A Curve 13 = B Curve 14 = C Curve 15 = G Curve 16 = F Curve 17 = Programmable
44256	3 Phase Overcurrent Alarm Configuration (51-1)	UInt32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only

Register	Description	Type	Units	Scaling Factor	R/W	Range
44258	1 Phase Overcurrent Pickup (51-1)	Uint32	CentiAmp	Centi	RW	18 - 775
44260	1 Phase Overcurrent Time Dial (51-1)	Uint32	DeciUnit	Deci	RW	0 - 72000
44262	1 Phase Overcurrent Curve (51-1)	Uint32	n/a	n/a	RW	0 = S1 Curve 1 = S2 Curve 2 = L1 Curve 3 = L2 Curve 4 = D Curve 5 = M Curve 6 = I1 Curve 7 = I2 Curve 8 = V1 Curve 9 = V2 Curve 10 = E1 Curve 11 = E2 Curve 12 = A Curve 13 = B Curve 14 = C Curve 15 = G Curve 16 = F Curve 17 = Programmable
44264	1 Phase Overcurrent Alarm Configuration (51-1)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44266	Phase Imbalance Pickup	Uint32	Volt	n/a	RW	5 - 100
44268	Phase Imbalance Activation Delay	Uint32	Decisecond	Deci	RW	0 - 300
44270	Phase Imbalance Alarm Configuration	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44272	3 Phase Undervoltage Pickup (27-1)	Uint32	Volt	n/a	RW	70 - 576
44274	3 Phase Undervoltage Activation Delay (27-1)	Uint32	Decisecond	Deci	RW	0 - 300
44276	3 Phase Undervoltage Inhibit Frequency (27-1)	Uint32	Hertz	n/a	RW	20 - 90
44278	3 Phase Undervoltage Alarm Configuration (27-1)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44280	1 Phase Undervoltage Pickup (27-1)	Uint32	Volt	n/a	RW	70 - 576
44282	1 Phase Undervoltage Activation Delay (27-1)	Uint32	Decisecond	Deci	RW	0 - 300
44284	1 Phase Undervoltage Inhibit Frequency (27-1)	Uint32	Hertz	n/a	RW	20 - 90
44286	1 Phase Undervoltage Alarm Configuration (27-1)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44288	3 Phase Overvoltage Pickup (59-1)	Uint32	Volt	n/a	RW	70 - 576
44290	3 Phase Overvoltage Activation Delay (59-1)	Uint32	Decisecond	Deci	RW	0 - 300
44292	3 Phase Overvoltage Alarm Configuration (59-1)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44294	1 Phase Overvoltage Pickup (59-1)	Uint32	Volt	n/a	RW	70 - 576
44296	1 Phase Overvoltage Activation Delay (59-1)	Uint32	Decisecond	Deci	RW	0 - 300
44298	1 Phase Overvoltage Alarm Configuration (59-1)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44300	Underfrequency Pickup	Uint32	DeciHertz	Deci	RW	450 - 4400
44302	Underfrequency Activation Delay	Uint32	Decisecond	Deci	RW	0 - 300
44304	Underfrequency Inhibit Voltage	Uint32	Hertz	n/a	RW	20 - 90
44306	Underfrequency Alarm Configuration	Uint32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
44308	Overfrequency Pickup	Uint32	DeciHertz	Deci	RW	450 - 4400
44310	Overfrequency Activation Delay	Uint32	Decisecond	Deci	RW	0 - 300
44312	Overfrequency Alarm Configuration	Uint32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
44314	Overcurrent Low Line Scale Factor (51-1)	Float	n/a	n/a	RW	0.001 - 3
44316	Overvoltage Low Line Scale Factor (59-1)	Float	n/a	n/a	RW	0.001 - 3
44318	Undervoltage Low Line Scale Factor (27-1)	Float	n/a	n/a	RW	0.001 - 3
44320	3 Phase Overcurrent Pickup (51-2)	Uint32	CentiAmp	Centi	RW	18 - 775
44322	3 Phase Overcurrent Time Dial (51-2)	Uint32	DeciUnit	Deci	RW	0 - 72000

Register	Description	Type	Units	Scaling Factor	R/W	Range
44324	3 Phase Overcurrent Curve (51-2)	Uint32	n/a	n/a	RW	0 = S1 Curve 1 = S2 Curve 2 = L1 Curve 3 = L2 Curve 4 = D Curve 5 = M Curve 6 = I1 Curve 7 = I2 Curve 8 = V1 Curve 9 = V2 Curve 10 = E1 Curve 11 = E2 Curve 12 = A Curve 13 = B Curve 14 = C Curve 15 = G Curve 16 = F Curve 17 = Programmable
44326	3 Phase Overcurrent Alarm Configuration (51-2)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44328	1 Phase Overcurrent Pickup (51-2)	Uint32	CentiAmp	Centi	RW	18 - 775
44330	1 Phase Overcurrent Time Dial (51-2)	Uint32	DeciUnit	Deci	RW	0 - 72000
44332	1 Phase Overcurrent Curve (51-2)	Uint32	n/a	n/a	RW	0 = S1 Curve 1 = S2 Curve 2 = L1 Curve 3 = L2 Curve 4 = D Curve 5 = M Curve 6 = I1 Curve 7 = I2 Curve 8 = V1 Curve 9 = V2 Curve 10 = E1 Curve 11 = E2 Curve 12 = A Curve 13 = B Curve 14 = C Curve 15 = G Curve 16 = F Curve 17 = Programmable
44334	1 Phase Overcurrent Alarm Configuration (51-2)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44336	3 Phase Undervoltage Pickup (27-2)	Uint32	Volt	n/a	RW	70 - 576
44338	3 Phase Undervoltage Activation Delay (27-2)	Uint32	Decisecond	Deci	RW	0 - 300
44340	3 Phase Undervoltage Inhibit Frequency (27-2)	Uint32	Hertz	n/a	RW	20 - 90
44342	3 Phase Undervoltage Alarm Configuration (27-2)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44344	1 Phase Undervoltage Pickup (27-2)	Uint32	Volt	n/a	RW	70 - 576
44346	1 Phase Undervoltage Activation Delay (27-2)	Uint32	Decisecond	Deci	RW	0 - 300
44348	1 Phase Undervoltage Inhibit Frequency (27-2)	Uint32	Hertz	n/a	RW	20 - 90
44350	1 Phase Undervoltage Alarm Configuration (27-2)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44352	3 Phase Overvoltage Pickup (59-2)	Uint32	Volt	n/a	RW	70 - 576
44354	3 Phase Overvoltage Activation Delay (59-2)	Uint32	Decisecond	Deci	RW	0 - 300
44356	3 Phase Overvoltage Alarm Configuration (59-2)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44358	1 Phase Overvoltage Pickup (59-2)	Uint32	Volt	n/a	RW	70 - 576
44360	1 Phase Overvoltage Activation Delay (59-2)	Uint32	Decisecond	Deci	RW	0 - 300
44362	1 Phase Overvoltage Alarm Configuration (59-2)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44364	Overcurrent Low Line Scale Factor (51-2)	Float	n/a	n/a	RW	0.001 - 3
44366	Overvoltage Low Line Scale Factor (59-2)	Float	n/a	n/a	RW	0.001 - 3
44368	Undervoltage Low Line Scale Factor (27-2)	Float	n/a	n/a	RW	0.001 - 3
44370-91	Reserved					
44392	3 Phase Reverse Power Pickup	Int32	DeciPercent	Deci	RW	50 - 500
44394	3 Phase Reverse Power Activation Delay	Uint32	Decisecond	Deci	RW	0 - 300

Register	Description	Type	Units	Scaling Factor	R/W	Range
44396	3 Phase Reverse Power Alarm Configuration	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44398	Reserved					
44400	1 Phase Reverse Power Pickup	Int32	DeciPercent	Deci	RW	50 - 500
44402	1 Phase Reverse Power Activation Delay	Uint32	Decisecond	Deci	RW	0 - 300
44404	1 Phase Reverse Power Alarm Configuration	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44406	Reserved					
44408	3 Phase Loss of Excitation Pickup	Int32	DeciPercent	Deci	RW	(-1500) - 0
44410	3 Phase Loss of Excitation Activation Delay	Uint32	Decisecond	Deci	RW	0 - 300
44412	3 Phase Loss of Excitation Alarm Configuration	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44414	Reserved					
44416	1 Phase Loss of Excitation Pickup	Int32	DeciPercent	Deci	RW	(-1500) - 0
44418	1 Phase Loss of Excitation Activation Delay	Uint32	Decisecond	Deci	RW	0 - 300
44420	1 Phase Loss of Excitation Alarm Configuration	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44422	Reserved					
44424	3 Phase Overcurrent Reset Type (51-1)	Int32	n/a	n/a	RW	0 = Instantaneous 1 = Integrating
44426	1 Phase Overcurrent Reset Type (51-1)	Int32	n/a	n/a	RW	0 = Instantaneous 1 = Integrating
44428	3 Phase Overcurrent Reset Type (51-2)	Int32	n/a	n/a	RW	0 = Instantaneous 1 = Integrating
44430	1 Phase Overcurrent Reset Type (51-2)	Int32	n/a	n/a	RW	0 = Instantaneous 1 = Integrating
44432	51-1 Curve Constant A	Float	n/a	n/a	RW	0 - 600
44434	51-1 Curve Constant B	Float	n/a	n/a	RW	0 - 25
44436	51-1 Curve Constant C	Float	n/a	n/a	RW	0 - 1
44438	51-1 Curve Constant N	Float	n/a	n/a	RW	0.5 - 2.5
44440	51-1 Curve Constant R	Float	n/a	n/a	RW	0 - 30
44442	51-2 Curve Constant A	Float	n/a	n/a	RW	0 - 600
44444	51-2 Curve Constant B	Float	n/a	n/a	RW	0 - 25
44446	51-2 Curve Constant C	Float	n/a	n/a	RW	0 - 1
44448	51-2 Curve Constant N	Float	n/a	n/a	RW	0.5 - 2.5
44450	51-2 Curve Constant R	Float	n/a	n/a	RW	0 - 30
44452	3 Phase Overcurrent Pickup (51-3)	Uint32	CentiAmp	Centi	RW	18 - 775
44454	3 Phase Overcurrent Time Dial (51-3)	Uint32	DeciUnit	Deci	RW	0 - 72000
44456	3 Phase Overcurrent Curve (51-3)	Uint32	n/a	n/a	RW	0 = S1 Curve 1 = S2 Curve 2 = L1 Curve 3 = L2 Curve 4 = D Curve 5 = M Curve 6 = I1 Curve 7 = I2 Curve 8 = V1 Curve 9 = V2 Curve 10 = E1 Curve 11 = E2 Curve 12 = A Curve 13 = B Curve 14 = C Curve 15 = G Curve 16 = F Curve 17 = Programmable
44458	3 Phase Overcurrent Alarm Configuration (51-3)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44460	1 Phase Overcurrent Pickup (51-3)	Uint32	CentiAmp	Centi	RW	18 - 775
44462	1 Phase Overcurrent Time Dial (51-3)	Uint32	DeciUnit	Deci	RW	0 - 72000

Register	Description	Type	Units	Scaling Factor	R/W	Range
44464	1 Phase Overcurrent Curve (51-3)	Uint32	n/a	n/a	RW	0 = S1 Curve 1 = S2 Curve 2 = L1 Curve 3 = L2 Curve 4 = D Curve 5 = M Curve 6 = I1 Curve 7 = I2 Curve 8 = V1 Curve 9 = V2 Curve 10 = E1 Curve 11 = E2 Curve 12 = A Curve 13 = B Curve 14 = C Curve 15 = G Curve 16 = F Curve 17 = Programmable
44466	1 Phase Overcurrent Alarm Configuration (51-3)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44468	Overcurrent Low Line Scale Factor (51-3)	Float	n/a	n/a	RW	0.001 - 3
44470	3 Phase Overcurrent Reset Type (51-3)	Int32	n/a	n/a	RW	0 = Instantaneous 1 = Integrating
44472	1 Phase Overcurrent Reset Type (51-3)	Int32	n/a	n/a	RW	0 = Instantaneous 1 = Integrating
44474	51-3 Curve Constant A	Float	n/a	n/a	RW	0 - 600
44476	51-3 Curve Constant B	Float	n/a	n/a	RW	0 - 25
44478	51-3 Curve Constant C	Float	n/a	n/a	RW	0 - 1
44480	51-3 Curve Constant N	Float	n/a	n/a	RW	0.5 - 2.5
44482	51-3 Curve Constant R	Float	n/a	n/a	RW	0 - 30
44484	78 Vector Shift Alarm Config	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44486	78 Vector Shift Pickup	Int32	Degree	n/a	RW	2 - 90
44488	78 Open Mains Breaker on Trip	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44490	81 ROCOF Alarm Config	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44492	81 ROCOF Pickup	Uint32	Hz/Second	Deci	RW	2 - 100
44494	81 ROCOF Activation Delay	Uint32	Second	Milli	RW	0 - 10000
44496	81 ROCOF Open Mains Breaker on Trip	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44498	Alternate Frequency Scale Factor	Float	n/a	n/a	RW	0.001 - 100

Alarms

Register	Description	Type	Units	Scaling Factor	R/W	Range
44500	High Coolant Temp Alarm Enable	Uint32	n/a	n/a	RW	0 = Disable 1 = Enable
44502	High Coolant Temp Alarm Threshold	Uint32	Deg F	n/a	RW	100 - 280
44504	Metric High Coolant Temp Alarm Threshold	Int32	Deg C	n/a	RW	38 - 138
44506	High Coolant Temp Alarm Activation Delay	Uint32	Second	n/a	RW	0 - 150
44508	Low Oil Press. Alarm Enable	Uint32	n/a	n/a	RW	0 = Disable 1 = Enable
44510	Low Oil Press. Alarm Threshold	Uint32	PSI	Deci	RW	29 - 1500
44512	Metric Low Oil Press. Alarm Threshold	Uint32	kPa	Deci	RW	200 - 10345
44514	Low Oil Press. Alarm Arming Delay	Uint32	Second	n/a	RW	5 - 60
44516	Overspeed Alarm Enable	Uint32	n/a	n/a	RW	0 = Disable 1 = Enable
44518	Overspeed Alarm Threshold	Uint32	Percent	n/a	RW	105 - 140
44520	Overspeed Alarm Activation Delay	Uint32	Millisecond	Milli	RW	0 - 500
44522	Low Fuel Level Alarm Enable	Uint32	n/a	n/a	RW	0 = Disable 1 = Enable
44524	Low Fuel Level Alarm Threshold	Uint32	Percent	n/a	RW	0 - 100
44526	Low Fuel Level Alarm Activation Delay	Int32	Second	n/a	RW	0 - 30
44528	High Coolant Temp Pre-Alarm Enable	Uint32	n/a	n/a	RW	0 = Disable 1 = Enable
44530	High Coolant Temp Pre-Alarm Threshold	Uint32	Deg F	n/a	RW	100 - 280
44532	Metric High Coolant Temp Pre-Alarm Threshold	Int32	Deg C	n/a	RW	38 - 138
44534	Low Coolant Temp Pre-Alarm Enable	Uint32	n/a	n/a	RW	0 = Disable 1 = Enable
44536	Low Coolant Temp Pre-Alarm Threshold	Uint32	Deg F	n/a	RW	35 - 151
44538	Metric Low Coolant Temp Pre-Alarm Threshold	Int32	Deg C	n/a	RW	2 - 66

Register	Description	Type	Units	Scaling Factor	R/W	Range
44540	High Fuel Level Pre-Alarm Threshold	Int32	Percent	n/a	RW	0 - 150
44542	High Fuel Level Pre-Alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44544	High Fuel Level Pre-Alarm Activation Delay	Int32	Second	n/a	RW	0 - 30
44546	Low Fuel Level Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44548	Low Fuel Level Pre-Alarm Threshold	UInt32	Percent	n/a	RW	10 - 100
44550	Low Battery Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44552	Low Battery Pre-Alarm Threshold	UInt32	DeciVolt	Deci	RW	60 - 280
44554	Low Battery Pre-Alarm Activation Delay	UInt32	Second	n/a	RW	1 - 10
44556	Weak Battery Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44558	Weak Battery Pre-Alarm Threshold	UInt32	DeciVolt	Deci	RW	40 - 280
44560	Weak Battery Pre-Alarm Activation Delay	UInt32	Second	Deci	RW	0 - 100
44562	Battery Overvoltage Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44564	Low Oil Press. Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44566	Low Oil Press. Pre-Alarm Threshold	UInt32	PSI	Deci	RW	29 - 1500
44568	Metric Low Oil Press. Pre-Alarm Threshold	Int32	kPa	Deci	RW	20 - 10345
44570-73	Reserved	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44574	ECU Comms Fail Pre-Alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44576	Active DTC Pre-Alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44578	Maintenance Interval Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44580	Maintenance Interval Pre-Alarm Threshold	UInt32	Hour	n/a	RW	0 - 5000
44582	Speed Sender Fail Activation Delay	Int32	Second	n/a	RW	0 - 300
44584	ECU Low Coolant Level Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44586	ECU Low Coolant Level Alarm Threshold	UInt32	Percent	n/a	RW	1 - 99
44588	ECU Low Coolant Level Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44590	ECU Low Coolant Level Pre-Alarm Threshold	UInt32	Percent	n/a	RW	1 - 99
44592	Battery Overvoltage Alarm Threshold	Int32	DeciVolt	Deci	RW	120 - 320
44594-627	Reserved					
44628	Intergenset Comm Failure Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44630	AVR Bias Output Limit Pre-alarm Activation Delay	Int32	Second	n/a	RW	1 - 15
44632	AVR Bias Output Limit Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44634	GOV Bias Output Limit Pre-alarm Activation Delay	Int32	Second	n/a	RW	1 - 15
44636	GOV Bias Output Limit Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44638	ID Missing Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44640	ID Repeat Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44642	CEM Comm Failure Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44644	AEM Comm Failure Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44646	Reserved					
44648	Low Oil Pressure Alarm (metric pressure units is Bar)	Int32	Bar	Deci	RW	2 - 103
44650	Low Oil Pressure Pre-Alarm (metric pressure units is Bar)	Int32	Bar	Deci	RW	2 - 103
44652	Sync Fail Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44654	Breaker Close Fail Pre-Alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44656	Breaker Open Fail Pre-Alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44658	Breaker Close Fail Pre-Alarm Monitor	Int32	n/a	n/a	RW	0 = Transitions Only 1 = Always
44660	Breaker Open Fail Pre-Alarm Monitor	Int32	n/a	n/a	RW	0 = Transitions Only 1 = Always
44662	Reverse Rotation Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable

Metering

Register	Description	Type	Units	Scaling Factor	R/W	Range
44750	Gen VAB Metering	Int32	Volt	n/a	R	(-2147483648) - 2147483647
44752	Gen VBC Metering	Int32	Volt	n/a	R	(-2147483648) - 2147483647

Register	Description	Type	Units	Scaling Factor	R/W	Range
44754	Gen VCA Metering	Int32	Volt	n/a	R	(-2147483648) - 2147483647
44756	Gen VAN Metering	Int32	Volt	n/a	R	(-2147483648) - 2147483647
44758	Gen VBN Metering	Int32	Volt	n/a	R	(-2147483648) - 2147483647
44760	Gen VCN Metering	Int32	Volt	n/a	R	(-2147483648) - 2147483647
44762	Bus Voltage Metering	Int32	Volt	n/a	R	(-2147483648) - 2147483647
44764	Gen IA Metering	Int32	Amp	n/a	R	(-32768) - 32767
44766	Gen IB Metering	Int32	Amp	n/a	R	(-32768) - 32767
44768	Gen IC Metering	Int32	Amp	n/a	R	(-32768) - 32767
44770	Gen kVA A Metering	Int32	kiloVA	n/a	R	(-2147483648) - 2147483647
44772	Gen kVA B Metering	Int32	kiloVA	n/a	R	(-2147483648) - 2147483647
44774	Gen kVA C Metering	Int32	kiloVA	n/a	R	(-2147483648) - 2147483647
44776	Gen kVA Total Metering	Int32	kiloVA	n/a	R	(-2147483648) - 2147483647
44778	Gen kW A Metering	Int32	kilowatt	n/a	R	(-2147483648) - 2147483647
44780	Gen kW B Metering	Int32	kilowatt	n/a	R	(-2147483648) - 2147483647
44782	Gen kW C Metering	Int32	kilowatt	n/a	R	(-2147483648) - 2147483647
44784	Gen kW Total Metering	Int32	kilowatt	n/a	R	(-2147483648) - 2147483647
44786	Power Factor Metering	Float	n/a	n/a	R	(-1) - 1
44788	Gen PF Lagging	Int32	n/a	n/a	R	(-128) - 127
44790	Gen Frequency Metering	Float	Hertz	n/a	R	45 - 440
44792	Bus Frequency Metering	Float	Hertz	n/a	R	45 - 440
44794	Active Speed Source	UInt32	n/a	n/a	R	1 = Magnetic Pickup 2 = Gen Freq 3 = MPU/Gen Freq
44796	Engine Speed Metering	UInt32	RPM	n/a	R	0 - 65535
44798	Engine Load Metering	Int32	Percent	n/a	R	(-32768) - 32767
44800	Coolant Temp. Metering	Int32	Deg F	n/a	R	(-32768) - 32767
44802	Oil Pressure Metering	Int32	PSI	n/a	R	(-32768) - 32767
44804	Battery Voltage Metering	Int32	DeciVolt	n/a	R	(-32768) - 32767
44806	Fuel Level Metering	Int32	n/a	n/a	R	(-32768) - 32767
44808	ECU Coolant Level Metering	UInt32	n/a	n/a	R	0 - 255
44810	Cool Down Time Remaining	Int32	Minute	n/a	R	(-128) - 127
44812-13	Alarm Metering	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Unexpected Shutdown Bit 17 = Global Alarm Bit 18 = Auto Restart Failure Bit 19 = Fuel Leak Detect Bit 20 = Battery Charger Failure Bit 21 = Transfer Fail Bit 22 = Low Coolant Level Bit 23 = ECU Shutdown Bit 24 = Emergency Shutdown Bit 25 = Overcrank Bit 26 = Loss of ECU Comms Bit 27 = Global Sender Fail Bit 28 = Low Fuel Level Bit 29 = Low Oil Pressure Bit 30 = Hi Coolant Temp Bit 31 = Overspeed

Register	Description	Type	Units	Scaling Factor	R/W	Range
44814-15	Pre-Alarm Metering 1	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Global Pre-Alarm Bit 5 = Fuel Filter 2 Leak Bit 6 = Fuel Filter 1 Leak Bit 7 = Engine kW Overload 3 Bit 8 = Engine kW Overload 2 Bit 9 = MPU Fail Bit 10 = Fuel Leak Detect Bit 11 = Battery Charger Failure Bit 12 = Low Coolant Level Bit 13 = Mains Brkr Fail to Open Bit 14 = Mains Brkr Fail to Close Bit 15 = Sync Fail at Mains Brkr Bit 16 = Gen Brkr Fail to Open Bit 17 = Gen Brkr Fail to Close Bit 18 = Sync Fail at Gen Brkr Bit 19 = High Fuel Level Bit 20 = Loss of Rem. Mod. Com Bit 21 = Engine kW Overload Bit 22 = Diagnostic Trouble Code Bit 23 = Loss of ECU Comms Bit 24 = Maintenance Due Bit 25 = Battery Overvoltage Bit 26 = Weak Battery Bit 27 = Low Battery Voltage Bit 28 = Low Coolant Temp Bit 29 = Low Fuel Level Bit 30 = Low Oil Pressure Bit 31 = Hi Coolant Temp
44816-17	MTU Alarm Metering	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = High ECU Supply Bit 24 = Combined Red Bit 25 = Overspeed Bit 26 = Low Oil Pressure Bit 27 = Low Fuel Delivery Press. Bit 28 = Low Aftercooler Coolant Level Bit 29 = High Coolant Temp Bit 30 = High Oil Temp Bit 31 = High Charge Air Temp

Register	Description	Type	Units	Scaling Factor	R/W	Range
44818-19	MTU Pre-Alarm Metering	Int32	n/a	n/a	R	Bit 0 = Low Storage Tank Bit 1 = High Storage Tank Bit 2 = Low Day Tank Bit 3 = High Day Tank Bit 4 = Alternator Winding Temp Bit 5 = Idle Speed Low Bit 6 = Run Up Speed Low Bit 7 = Start Speed Low Bit 8 = Priming Fault Bit 9 = Low Charge Air Coolant Level Bit 10 = High Fuel Temp. Bit 11 = High Exhaust Temp. B Bit 12 = High Exhaust Temp. A Bit 13 = Low ECU Supply Voltage Bit 14 = Engine Speed Too Low Bit 15 = High Voltage Supply Bit 16 = Low Voltage Supply Bit 17 = Speed Demand Fail Bit 18 = ECU Faulty Bit 19 = Combined Yellow Bit 20 = Low Oil Press. Bit 21 = Low Fuel Delivery Press. Bit 22 = Low Charge Air Press. Bit 23 = Low Coolant Level Bit 24 = Low Fuel Rail Press. Bit 25 = High Fuel Rail Press. Bit 26 = Shutdown Override Bit 27 = High Coolant Temp. Bit 28 = High Charge Air Temp. Bit 29 = High Intercooler Temp. Bit 30 = High Oil Temp. Bit 31 = High ECU Temp.
44820-21	Sender Fail Alarm Metering	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Generator Voltage Bit 28 = Fuel Level Bit 29 = Coolant Temp Bit 30 = Oil Pressure Bit 31 = Speed
44822-26	Reserved					

Register	Description	Type	Units	Scaling Factor	R/W	Range
44828-29	Local Input Metering	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Input 16 Bit 17 = Input 15 Bit 18 = Input 14 Bit 19 = Input 13 Bit 20 = Input 12 Bit 21 = Input 11 Bit 22 = Input 10 Bit 23 = Input 9 Bit 24 = Input 8 Bit 25 = Input 7 Bit 26 = Input 6 Bit 27 = Input 5 Bit 28 = Input 4 Bit 29 = Input 3 Bit 30 = Input 2 Bit 31 = Input 1
44830-31	Local Output Metering	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Pre Start Output Bit 18 = Run Output Bit 19 = Start Output Bit 20 = Output 12 Bit 21 = Output 11 Bit 22 = Output 10 Bit 23 = Output 9 Bit 24 = Output 8 Bit 25 = Output 7 Bit 26 = Output 6 Bit 27 = Output 5 Bit 28 = Output 4 Bit 29 = Output 3 Bit 30 = Output 2 Bit 31 = Output 1

Register	Description	Type	Units	Scaling Factor	R/W	Range
44832-33	Status Metering 1	Int32	n/a	n/a	R	Bit 0 = Idle Request Bit 1 = Lamp Test Bit 2 = Alarm Silence Bit 3 = Reset Bit 4 = Alternate Frequency Override Bit 5 = Start Delay Bypass Bit 6 = Cooldown and Stop Request from Logic Bit 7 = Cooldown Request from Logic Bit 8 = External Start Delay Bit 9 = Off Mode Cooldown Bit 10 = PF Mode Active Bit 11 = Var Mode Active Bit 12 = Cooldown Timer Active Bit 13 = Engine Running Bit 14 = Fuel Leak Detect Bit 15 = Battery Charger Failure Bit 16 = Low Coolant Level Bit 17 = Gen Failed Bit 18 = Gen Stable Bit 19 = Gen Dead Bit 20 = Bus Failed Bit 21 = Bus Stable Bit 22 = Bus Dead Bit 23 = Gen Breaker Closed Bit 24 = Mains Breaker Closed Bit 25 = Grounded Delta Override Bit 26 = Battle Override Bit 27 = Auto Transfer Switch Bit 28 = Low Line Override Bit 29 = Single-Phase AC Override Bit 30 = Single-Phase Override Bit 31 = EPS Supplying Load
44834	Hours Until Maintenance	Int32	n/a	n/a	RW	0 - 5000
44836	Cum. Total Engine Run Hrs.	Int32	Hour	n/a	R	0 - 99999
44838	Cum. Total Engine Run Min.	Int32	n/a	n/a	R	0 - 59
44840	Cum. Loaded Engine Run Hrs.	Int32	n/a	n/a	R	0 - 99999
44842	Cum. Loaded Engine Run Min.	Int32	n/a	n/a	R	0 - 59
44844	Cum. Unloaded Engine Run Hrs.	Int32	Hour	n/a	R	0 - 99999
44846	Cum. Unloaded Engine Run Min.	Int32	n/a	n/a	R	0 - 59
44848	Cum. Total kW-Hrs	UInt32	kilowatt-hour	n/a	R	0 - 999999999
44850	Reserved					
44852	Commission Date Month	UInt32	n/a	n/a	RW	1 - 12
44854	Commission Date Day	UInt32	n/a	n/a	RW	1 - 31
44856	Commission Date Year	UInt32	n/a	n/a	RW	0 - 99
44858	Session Total Engine Run Hrs.	Int32	Hour	n/a	R	0 - 99999
44860	Session Total Engine Run Min.	Int32	n/a	n/a	R	0 - 59
44862	Session Loaded Engine Run Hrs.	Int32	Hour	n/a	R	0 - 99999
44864	Session Loaded Engine Run Min.	Int32	n/a	n/a	R	0 - 59
44866	Session Unloaded Engine Run Hrs.	Int32	Hour	n/a	R	0 - 99999
44868	Session Unloaded Engine Run Min.	Int32	n/a	n/a	R	0 - 59
44870	Session kW-Hrs	Int32	kilowatt-hour	n/a	R	0 - 999999999
44872	Cumulative Number of Engine Starts	UInt32	n/a	n/a	RW	0 - 65535
44874	Session Start Date Month	UInt32	n/a	n/a	RW	1 - 12
44876	Session Start Date Day	UInt32	n/a	n/a	RW	1 - 31
44878	Session Start Date Year	UInt32	n/a	n/a	RW	0 - 99
44880	Generator Status	UInt32	n/a	n/a	R	0 = RESET State 1 = READY State 2 = CRANKING State 3 = RESTING State 4 = RUNNING State 5 = ALARM State 6 = PRESTART State 7 = COOLING State 8 = CONNECTING State 9 = DISCONNECT State 10 = PULSING State 11 = UNLOADING State
44882-932	Reserved					

Register	Description	Type	Units	Scaling Factor	R/W	Range
44934-35	Protection Alarm Metering	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = 81 ROC DF/DT Trip Bit 19 = 78 Vector Shift Trip Bit 20 = 51-3 Overcurrent Bit 21 = 40Q Loss of Excitation Bit 22 = 32 Reverse Power Bit 23 = 59-2 Overvoltage Bit 24 = 27-2 Undervoltage Bit 25 = 51-2 Overcurrent Bit 26 = 81 Underfrequency Bit 27 = 81 Overfrequency Bit 28 = 59-1 Overvoltage Bit 29 = 27-1 Undervoltage Bit 30 = 47 Phase Imbalance Bit 31 = 51-1 Overcurrent
44936	Cumulative Stats - Total Run Hours	UInt32	Hour	n/a	RW	0 - 5999940
44938	Cumulative Stats - Loaded Run Hours	UInt32	Hour	n/a	RW	0 - 5999940
44940	Cumulative Stats - Unloaded Run Hours	UInt32	Hour	n/a	RW	0 - 5999940
44942	Run Stats - Total Run Hours	UInt32	Hour	n/a	RW	0 - 5999940
44944	Run Stats - Loaded Run Hours	UInt32	Hour	n/a	RW	0 - 5999940
44946	Run Stats - Unloaded Run Hours	UInt32	Hour	n/a	RW	0 - 5999940
44948-49	Control Alarm Bits	UInt32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = ID Repeat Bit 27 = ID Missing Bit 28 = Not Used Bit 29 = Intergenset Comms Failure Bit 30 = GOV Output Limit Bit 31 = AVR Output Limit
44950	Global Alarm	UInt32	n/a	n/a	R	Bit 0 = No system alarms in effect Bit 1 = System alarm(s) in effect
44952	Global Pre-Alarm	UInt32	n/a	n/a	R	Bit 0 = No system pre-alarms in effect Bit 1 = System pre-alarm(s) in effect

Register	Description	Type	Units	Scaling Factor	R/W	Range
44954-55	Local Configurable Inputs Pre-Alarm Bits	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Input 16 Bit 17 = Input 15 Bit 18 = Input 14 Bit 19 = Input 13 Bit 20 = Input 12 Bit 21 = Input 11 Bit 22 = Input 10 Bit 23 = Input 9 Bit 24 = Input 8 Bit 25 = Input 7 Bit 26 = Input 6 Bit 27 = Input 5 Bit 28 = Input 4 Bit 29 = Input 3 Bit 30 = Input 2 Bit 31 = Input 1
44956-57	Local Configurable Inputs Alarm Bits	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Input 16 Bit 17 = Input 15 Bit 18 = Input 14 Bit 19 = Input 13 Bit 20 = Input 12 Bit 21 = Input 11 Bit 22 = Input 10 Bit 23 = Input 9 Bit 24 = Input 8 Bit 25 = Input 7 Bit 26 = Input 6 Bit 27 = Input 5 Bit 28 = Input 4 Bit 29 = Input 3 Bit 30 = Input 2 Bit 31 = Input 1

Register	Description	Type	Units	Scaling Factor	R/W	Range
44958-59	Configurable Elements Status Bits	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Config Element 8 Bit 25 = Config Element 7 Bit 26 = Config Element 6 Bit 27 = Config Element 5 Bit 28 = Config Element 4 Bit 29 = Config Element 3 Bit 30 = Config Element 2 Bit 31 = Config Element 1
44960-61	Configurable Elements Pre-Alarm Bits	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Config Element 8 Bit 25 = Config Element 7 Bit 26 = Config Element 6 Bit 27 = Config Element 5 Bit 28 = Config Element 4 Bit 29 = Config Element 3 Bit 30 = Config Element 2 Bit 31 = Config Element 1

Register	Description	Type	Units	Scaling Factor	R/W	Range
44962-63	Configurable Elements Alarm Bits	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Config Element 8 Bit 25 = Config Element 7 Bit 26 = Config Element 6 Bit 27 = Config Element 5 Bit 28 = Config Element 4 Bit 29 = Config Element 3 Bit 30 = Config Element 2 Bit 31 = Config Element 1
44964-65	Remote Inputs Status Bits	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Remote Input 26 Bit 23 = Remote Input 25 Bit 24 = Remote Input 24 Bit 25 = Remote Input 23 Bit 26 = Remote Input 22 Bit 27 = Remote Input 21 Bit 28 = Remote Input 20 Bit 29 = Remote Input 19 Bit 30 = Remote Input 18 Bit 31 = Remote Input 17

Register	Description	Type	Units	Scaling Factor	R/W	Range
44966-67	Remote Outputs Status Bits	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Remote Output 36 Bit 9 = Remote Output 35 Bit 10 = Remote Output 34 Bit 11 = Remote Output 33 Bit 12 = Remote Output 32 Bit 13 = Remote Output 31 Bit 14 = Remote Output 30 Bit 15 = Remote Output 29 Bit 16 = Remote Output 28 Bit 17 = Remote Output 27 Bit 18 = Remote Output 26 Bit 19 = Remote Output 25 Bit 20 = Remote Output 24 Bit 21 = Remote Output 23 Bit 22 = Remote Output 22 Bit 23 = Remote Output 21 Bit 24 = Remote Output 20 Bit 25 = Remote Output 19 Bit 26 = Remote Output 18 Bit 27 = Remote Output 17 Bit 28 = Remote Output 16 Bit 29 = Remote Output 15 Bit 30 = Remote Output 14 Bit 31 = Remote Output 13
44968-69	CEM Alarm Bits	UInt32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Not Used Bit 29 = CEM Hardware Mismatch Bit 30 = Duplicate CEM Bit 31 = CEM Comm Fail

Register	Description	Type	Units	Scaling Factor	R/W	Range
44970-71	Remote Configurable Inputs Pre-Alarm Bits	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Remote Input 26 Bit 23 = Remote Input 25 Bit 24 = Remote Input 24 Bit 25 = Remote Input 23 Bit 26 = Remote Input 22 Bit 27 = Remote Input 21 Bit 28 = Remote Input 20 Bit 29 = Remote Input 19 Bit 30 = Remote Input 18 Bit 31 = Remote Input 17
44972-73	Remote Configurable Inputs Alarm Bits	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Remote Input 26 Bit 23 = Remote Input 25 Bit 24 = Remote Input 24 Bit 25 = Remote Input 23 Bit 26 = Remote Input 22 Bit 27 = Remote Input 21 Bit 28 = Remote Input 20 Bit 29 = Remote Input 19 Bit 30 = Remote Input 18 Bit 31 = Remote Input 17

Register	Description	Type	Units	Scaling Factor	R/W	Range
44974-75	AEM Alarm Bits	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Not Used Bit 29 = Not Used Bit 30 = Duplicate AEM Bit 31 = AEM Comm Fail
44976	Slip Frequency	Int32	Hertz	Centi	R	(-32768) - 32767
44978	Slip Angle	Int32	DeciUnit	Deci	R	(-32768) - 32767
44980	Voltage Difference	Int32	Volt	n/a	R	(-2147483648) - 2147483647
44982-83	MDEC Pre-Alarms	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = High Fuel Filter Diff Pressure Bit 25 = Overspeed Test On Bit 26 = Ambient Temp Bit 27 = High Temp Coil 3 Bit 28 = High Temp Coil 2 Bit 29 = High Temp Coil 1 Bit 30 = High Pressure Input 2 Bit 31 = High Pressure Input 1

Register	Description	Type	Units	Scaling Factor	R/W	Range
44984-85	MTU Status	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = ECU Shutdown Bit 21 = Priming Pump ON Bit 22 = CAN Mode Feedback Bit 23 = Preheat Temp Not Reached Bit 24 = Load Gen On Bit 25 = Cylinder Cutout Bit 26 = Engine Running Bit 27 = Speed Decrease Bit 28 = Speed Increase Bit 29 = Speed Demand Fail Mode Bit 30 = External Stop Active Bit 31 = ECU Override
44986	Generator Frequency	Int32	Hertz	Deci	R	0 - 4400
44988	Bus Frequency	Int32	Hertz	Deci	R	0 - 4400
44990	Power Factor	Int32	n/a	Centi	R	(-100) - 100
44992	Slip Frequency	Int32	n/a	Milli	R	(-450000) -450000
44994-98	Reserved					
45000-01	ECU Lamp Status	Int32	n/a	n/a	R	Bit 0 = Protect Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Warning Bit 4 = Stop Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Malfunction Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Not Used Bit 29 = Not Used Bit 30 = Not Used Bit 31 = Not Used
45002	Reserved					
45004	Number of DTC's	Int32	n/a	n/a	R	(-32768) – 32767
45006-326	Reserved					
45328	Engine Parameter Transmit Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
45330	Requested MTU SMC ENG Operating Mode	Int32	n/a	n/a	RW	1 - 2
45332	SPN Conversion Method	Int32	n/a	n/a	RW	1 - 4
45334-498	Reserved					
45500	Analog Input 1 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45502	Analog Input 2 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45504	Analog Input 3 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900

Register	Description	Type	Units	Scaling Factor	R/W	Range
45506	Analog Input 4 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45508	Analog Input 5 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45510	Analog Input 6 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45512	Analog Input 7 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45514	Analog Input 8 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45516	RTD Input 1 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45518	RTD Input 2 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45520	RTD Input 3 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45522	RTD Input 4 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45524	RTD Input 5 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45526	RTD Input 6 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45528	RTD Input 7 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45530	RTD Input 8 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45532	Thermocouple Input 1 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45534	Thermocouple Input 2 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45536-37	AEM Input Threshold Status Bits Reg 1	UInt32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Analog Input 6 Under 2 Bit 3 = Analog Input 6 Under 1 Bit 4 = Analog Input 6 Over 2 Bit 5 = Analog Input 6 Over 1 Bit 6 = Analog Input 6 Out of Range Bit 7 = Analog Input 5 Under 2 Bit 8 = Analog Input 5 Under 1 Bit 9 = Analog Input 5 Over 2 Bit 10 = Analog Input 5 Over 1 Bit 11 = Analog Input 5 Out of Range Bit 12 = Analog Input 4 Under 2 Bit 13 = Analog Input 4 Under 1 Bit 14 = Analog Input 4 Over 2 Bit 15 = Analog Input 4 Over 1 Bit 16 = Analog Input 4 Out of Range Bit 17 = Analog Input 3 Under 2 Bit 18 = Analog Input 3 Under 1 Bit 19 = Analog Input 3 Over 2 Bit 20 = Analog Input 3 Over 1 Bit 21 = Analog Input 3 Out of Range Bit 22 = Analog Input 2 Under 2 Bit 23 = Analog Input 2 Under 1 Bit 24 = Analog Input 2 Over 2 Bit 25 = Analog Input 2 Over 1 Bit 26 = Analog Input 2 Out of Range Bit 27 = Analog Input 1 Under 2 Bit 28 = Analog Input 1 Under 1 Bit 29 = Analog Input 1 Over 2 Bit 30 = Analog Input 1 Over 1 Bit 31 = Analog Input 1 Out of Range
45538-39	AEM Input Threshold Status Bits Reg 2	UInt32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = RTD Input 4 Under 2 Bit 3 = RTD Input 4 Under 1 Bit 4 = RTD Input 4 Over 2 Bit 5 = RTD Input 4 Over 1 Bit 6 = RTD Input 4 Out of Range Bit 7 = RTD Input 3 Under 2 Bit 8 = RTD Input 3 Under 1 Bit 9 = RTD Input 3 Over 2 Bit 10 = RTD Input 3 Over 1 Bit 11 = RTD Input 3 Out of Range Bit 12 = RTD Input 2 Under 2 Bit 13 = RTD Input 2 Under 1 Bit 14 = RTD Input 2 Over 2 Bit 15 = RTD Input 2 Over 1 Bit 16 = RTD Input 2 Out of Range Bit 17 = RTD Input 1 Under 2 Bit 18 = RTD Input 1 Under 1 Bit 19 = RTD Input 1 Over 2 Bit 20 = RTD Input 1 Over 1 Bit 21 = RTD Input 1 Out of Range Bit 22 = Analog Input 8 Under 2 Bit 23 = Analog Input 8 Under 1 Bit 24 = Analog Input 8 Over 2 Bit 25 = Analog Input 8 Over 1 Bit 26 = Analog Input 8 Out of Range Bit 27 = Analog Input 7 Under 2 Bit 28 = Analog Input 7 Under 1 Bit 29 = Analog Input 7 Over 2 Bit 30 = Analog Input 7 Over 1 Bit 31 = Analog Input 7 Out of Range

Register	Description	Type	Units	Scaling Factor	R/W	Range
45540-41	AEM Input Threshold Status Bits Reg 3	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Thermocouple 2 Under 2 Bit 3 = Thermocouple 2 Under 1 Bit 4 = Thermocouple 2 Over 2 Bit 5 = Thermocouple 2 Over 1 Bit 6 = Thermocouple 2 Out of Range Bit 7 = Thermocouple 1 Under 2 Bit 8 = Thermocouple 1 Under 1 Bit 9 = Thermocouple 1 Over 2 Bit 10 = Thermocouple 1 Over 1 Bit 11 = Thermocouple 1 Out of Range Bit 12 = RTD Input 8 Under 2 Bit 13 = RTD Input 8 Under 1 Bit 14 = RTD Input 8 Over 2 Bit 15 = RTD Input 8 Over 1 Bit 16 = RTD Input 8 Out of Range Bit 17 = RTD Input 7 Under 2 Bit 18 = RTD Input 7 Under 1 Bit 19 = RTD Input 7 Over 2 Bit 20 = RTD Input 7 Over 1 Bit 21 = RTD Input 7 Out of Range Bit 22 = RTD Input 6 Under 2 Bit 23 = RTD Input 6 Under 1 Bit 24 = RTD Input 6 Over 2 Bit 25 = RTD Input 6 Over 1 Bit 26 = RTD Input 6 Out of Range Bit 27 = RTD Input 5 Under 2 Bit 28 = RTD Input 5 Under 1 Bit 29 = RTD Input 5 Over 2 Bit 30 = RTD Input 5 Over 1 Bit 31 = RTD Input 5 Out of Range
45542-43	AEM Input Threshold Status Bits Reg 4	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Analog Output 4 Out of Range Bit 29 = Analog Output 3 Out of Range Bit 30 = Analog Output 2 Out of Range Bit 31 = Analog Output 1 Out of Range

Register	Description	Type	Units	Scaling Factor	R/W	Range
45544-45	AEM Input Threshold Alarm Bits Reg 1	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Analog Input 6 Under 2 Bit 3 = Analog Input 6 Under 1 Bit 4 = Analog Input 6 Over 2 Bit 5 = Analog Input 6 Over 1 Bit 6 = Analog Input 6 Out of Range Bit 7 = Analog Input 5 Under 2 Bit 8 = Analog Input 5 Under 1 Bit 9 = Analog Input 5 Over 2 Bit 10 = Analog Input 5 Over 1 Bit 11 = Analog Input 5 Out of Range Bit 12 = Analog Input 4 Under 2 Bit 13 = Analog Input 4 Under 1 Bit 14 = Analog Input 4 Over 2 Bit 15 = Analog Input 4 Over 1 Bit 16 = Analog Input 4 Out of Range Bit 17 = Analog Input 3 Under 2 Bit 18 = Analog Input 3 Under 1 Bit 19 = Analog Input 3 Over 2 Bit 20 = Analog Input 3 Over 1 Bit 21 = Analog Input 3 Out of Range Bit 22 = Analog Input 2 Under 2 Bit 23 = Analog Input 2 Under 1 Bit 24 = Analog Input 2 Over 2 Bit 25 = Analog Input 2 Over 1 Bit 26 = Analog Input 2 Out of Range Bit 27 = Analog Input 1 Under 2 Bit 28 = Analog Input 1 Under 1 Bit 29 = Analog Input 1 Over 2 Bit 30 = Analog Input 1 Over 1 Bit 31 = Analog Input 1 Out of Range
45546-47	AEM Input Threshold Alarm Bits Reg 2	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = RTD Input 4 Under 2 Bit 3 = RTD Input 4 Under 1 Bit 4 = RTD Input 4 Over 2 Bit 5 = RTD Input 4 Over 1 Bit 6 = RTD Input 4 Out of Range Bit 7 = RTD Input 3 Under 2 Bit 8 = RTD Input 3 Under 1 Bit 9 = RTD Input 3 Over 2 Bit 10 = RTD Input 3 Over 1 Bit 11 = RTD Input 3 Out of Range Bit 12 = RTD Input 2 Under 2 Bit 13 = RTD Input 2 Under 1 Bit 14 = RTD Input 2 Over 2 Bit 15 = RTD Input 2 Over 1 Bit 16 = RTD Input 2 Out of Range Bit 17 = RTD Input 1 Under 2 Bit 18 = RTD Input 1 Under 1 Bit 19 = RTD Input 1 Over 2 Bit 20 = RTD Input 1 Over 1 Bit 21 = RTD Input 1 Out of Range Bit 22 = Analog Input 8 Under 2 Bit 23 = Analog Input 8 Under 1 Bit 24 = Analog Input 8 Over 2 Bit 25 = Analog Input 8 Over 1 Bit 26 = Analog Input 8 Out of Range Bit 27 = Analog Input 7 Under 2 Bit 28 = Analog Input 7 Under 1 Bit 29 = Analog Input 7 Over 2 Bit 30 = Analog Input 7 Over 1 Bit 31 = Analog Input 7 Out of Range

Register	Description	Type	Units	Scaling Factor	R/W	Range
45548-49	AEM Input Threshold Alarm Bits Reg 3	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Thermocouple 2 Under 2 Bit 3 = Thermocouple 2 Under 1 Bit 4 = Thermocouple 2 Over 2 Bit 5 = Thermocouple 2 Over 1 Bit 6 = Thermocouple 2 Out of Range Bit 7 = Thermocouple 1 Under 2 Bit 8 = Thermocouple 1 Under 1 Bit 9 = Thermocouple 1 Over 2 Bit 10 = Thermocouple 1 Over 1 Bit 11 = Thermocouple 1 Out of Range Bit 12 = RTD Input 8 Under 2 Bit 13 = RTD Input 8 Under 1 Bit 14 = RTD Input 8 Over 2 Bit 15 = RTD Input 8 Over 1 Bit 16 = RTD Input 8 Out of Range Bit 17 = RTD Input 7 Under 2 Bit 18 = RTD Input 7 Under 1 Bit 19 = RTD Input 7 Over 2 Bit 20 = RTD Input 7 Over 1 Bit 21 = RTD Input 7 Out of Range Bit 22 = RTD Input 6 Under 2 Bit 23 = RTD Input 6 Under 1 Bit 24 = RTD Input 6 Over 2 Bit 25 = RTD Input 6 Over 1 Bit 26 = RTD Input 6 Out of Range Bit 27 = RTD Input 5 Under 2 Bit 28 = RTD Input 5 Under 1 Bit 29 = RTD Input 5 Over 2 Bit 30 = RTD Input 5 Over 1 Bit 31 = RTD Input 5 Out of Range
45550-51	AEM Input Threshold Alarm Bits Reg 4	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Analog Output 4 Out of Range Bit 29 = Analog Output 3 Out of Range Bit 30 = Analog Output 2 Out of Range Bit 31 = Analog Output 1 Out of Range

Register	Description	Type	Units	Scaling Factor	R/W	Range
45552-53	AEM Input Threshold Pre-Alarm Bits Reg 1	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Analog Input 6 Under 2 Bit 3 = Analog Input 6 Under 1 Bit 4 = Analog Input 6 Over 2 Bit 5 = Analog Input 6 Over 1 Bit 6 = Analog Input 6 Out of Range Bit 7 = Analog Input 5 Under 2 Bit 8 = Analog Input 5 Under 1 Bit 9 = Analog Input 5 Over 2 Bit 10 = Analog Input 5 Over 1 Bit 11 = Analog Input 5 Out of Range Bit 12 = Analog Input 4 Under 2 Bit 13 = Analog Input 4 Under 1 Bit 14 = Analog Input 4 Over 2 Bit 15 = Analog Input 4 Over 1 Bit 16 = Analog Input 4 Out of Range Bit 17 = Analog Input 3 Under 2 Bit 18 = Analog Input 3 Under 1 Bit 19 = Analog Input 3 Over 2 Bit 20 = Analog Input 3 Over 1 Bit 21 = Analog Input 3 Out of Range Bit 22 = Analog Input 2 Under 2 Bit 23 = Analog Input 2 Under 1 Bit 24 = Analog Input 2 Over 2 Bit 25 = Analog Input 2 Over 1 Bit 26 = Analog Input 2 Out of Range Bit 27 = Analog Input 1 Under 2 Bit 28 = Analog Input 1 Under 1 Bit 29 = Analog Input 1 Over 2 Bit 30 = Analog Input 1 Over 1 Bit 31 = Analog Input 1 Out of Range
45554-55	AEM Input Threshold Pre-Alarm Bits Reg 2	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = RTD Input 4 Under 2 Bit 3 = RTD Input 4 Under 1 Bit 4 = RTD Input 4 Over 2 Bit 5 = RTD Input 4 Over 1 Bit 6 = RTD Input 4 Out of Range Bit 7 = RTD Input 3 Under 2 Bit 8 = RTD Input 3 Under 1 Bit 9 = RTD Input 3 Over 2 Bit 10 = RTD Input 3 Over 1 Bit 11 = RTD Input 3 Out of Range Bit 12 = RTD Input 2 Under 2 Bit 13 = RTD Input 2 Under 1 Bit 14 = RTD Input 2 Over 2 Bit 15 = RTD Input 2 Over 1 Bit 16 = RTD Input 2 Out of Range Bit 17 = RTD Input 1 Under 2 Bit 18 = RTD Input 1 Under 1 Bit 19 = RTD Input 1 Over 2 Bit 20 = RTD Input 1 Over 1 Bit 21 = RTD Input 1 Out of Range Bit 22 = Analog Input 8 Under 2 Bit 23 = Analog Input 8 Under 1 Bit 24 = Analog Input 8 Over 2 Bit 25 = Analog Input 8 Over 1 Bit 26 = Analog Input 8 Out of Range Bit 27 = Analog Input 7 Under 2 Bit 28 = Analog Input 7 Under 1 Bit 29 = Analog Input 7 Over 2 Bit 30 = Analog Input 7 Over 1 Bit 31 = Analog Input 7 Out of Range

Register	Description	Type	Units	Scaling Factor	R/W	Range
45556-57	AEM Input Threshold Pre-Alarm Bits Reg 3	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Thermocouple 2 Under 2 Bit 3 = Thermocouple 2 Under 1 Bit 4 = Thermocouple 2 Over 2 Bit 5 = Thermocouple 2 Over 1 Bit 6 = Thermocouple 2 Out of Range Bit 7 = Thermocouple 1 Under 2 Bit 8 = Thermocouple 1 Under 1 Bit 9 = Thermocouple 1 Over 2 Bit 10 = Thermocouple 1 Over 1 Bit 11 = Thermocouple 1 Out of Range Bit 12 = RTD Input 8 Under 2 Bit 13 = RTD Input 8 Under 1 Bit 14 = RTD Input 8 Over 2 Bit 15 = RTD Input 8 Over 1 Bit 16 = RTD Input 8 Out of Range Bit 17 = RTD Input 7 Under 2 Bit 18 = RTD Input 7 Under 1 Bit 19 = RTD Input 7 Over 2 Bit 20 = RTD Input 7 Over 1 Bit 21 = RTD Input 7 Out of Range Bit 22 = RTD Input 6 Under 2 Bit 23 = RTD Input 6 Under 1 Bit 24 = RTD Input 6 Over 2 Bit 25 = RTD Input 6 Over 1 Bit 26 = RTD Input 6 Out of Range Bit 27 = RTD Input 5 Under 2 Bit 28 = RTD Input 5 Under 1 Bit 29 = RTD Input 5 Over 2 Bit 30 = RTD Input 5 Over 1 Bit 31 = RTD Input 5 Out of Range
45558-59	AEM Input Threshold Pre-Alarm Bits Reg 4	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Analog Output 4 Out of Range Bit 29 = Analog Output 3 Out of Range Bit 30 = Analog Output 2 Out of Range Bit 31 = Analog Output 1 Out of Range
45560	Analog Output 1 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45562	Analog Output 2 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45564	Analog Output 3 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45566	Analog Output 4 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900

Register	Description	Type	Units	Scaling Factor	R/W	Range
45568-69	Configurable Protection Threshold Status Bits	Uint32	n/a	n/a	R	Bit 0 = Conf Protection 8 Under 2 Bit 1 = Conf Protection 8 Under 1 Bit 2 = Conf Protection 8 Over 2 Bit 3 = Conf Protection 8 Over 1 Bit 4 = Conf Protection 7 Under 2 Bit 5 = Conf Protection 7 Under 1 Bit 6 = Conf Protection 7 Over 2 Bit 7 = Conf Protection 7 Over 1 Bit 8 = Conf Protection 6 Under 2 Bit 9 = Conf Protection 6 Under 1 Bit 10 = Conf Protection 6 Over 2 Bit 11 = Conf Protection 6 Over 1 Bit 12 = Conf Protection 5 Under 2 Bit 13 = Conf Protection 5 Under 1 Bit 14 = Conf Protection 5 Over 2 Bit 15 = Conf Protection 5 Over 1 Bit 16 = Conf Protection 4 Under 2 Bit 17 = Conf Protection 4 Under 1 Bit 18 = Conf Protection 4 Over 2 Bit 19 = Conf Protection 4 Over 1 Bit 20 = Conf Protection 3 Under 2 Bit 21 = Conf Protection 3 Under 1 Bit 22 = Conf Protection 3 Over 2 Bit 23 = Conf Protection 3 Over 1 Bit 24 = Conf Protection 2 Under 2 Bit 25 = Conf Protection 2 Under 1 Bit 26 = Conf Protection 2 Over 2 Bit 27 = Conf Protection 2 Over 1 Bit 28 = Conf Protection 1 Under 2 Bit 29 = Conf Protection 1 Under 1 Bit 30 = Conf Protection 1 Over 2 Bit 31 = Conf Protection 1 Over 1
45570-71	Configurable Protection Alarm Bits	Uint32	n/a	n/a	R	Bit 0 = Conf Protection 8 Under 2 Bit 1 = Conf Protection 8 Under 1 Bit 2 = Conf Protection 8 Over 2 Bit 3 = Conf Protection 8 Over 1 Bit 4 = Conf Protection 7 Under 2 Bit 5 = Conf Protection 7 Under 1 Bit 6 = Conf Protection 7 Over 2 Bit 7 = Conf Protection 7 Over 1 Bit 8 = Conf Protection 6 Under 2 Bit 9 = Conf Protection 6 Under 1 Bit 10 = Conf Protection 6 Over 2 Bit 11 = Conf Protection 6 Over 1 Bit 12 = Conf Protection 5 Under 2 Bit 13 = Conf Protection 5 Under 1 Bit 14 = Conf Protection 5 Over 2 Bit 15 = Conf Protection 5 Over 1 Bit 16 = Conf Protection 4 Under 2 Bit 17 = Conf Protection 4 Under 1 Bit 18 = Conf Protection 4 Over 2 Bit 19 = Conf Protection 4 Over 1 Bit 20 = Conf Protection 3 Under 2 Bit 21 = Conf Protection 3 Under 1 Bit 22 = Conf Protection 3 Over 2 Bit 23 = Conf Protection 3 Over 1 Bit 24 = Conf Protection 2 Under 2 Bit 25 = Conf Protection 2 Under 1 Bit 26 = Conf Protection 2 Over 2 Bit 27 = Conf Protection 2 Over 1 Bit 28 = Conf Protection 1 Under 2 Bit 29 = Conf Protection 1 Under 1 Bit 30 = Conf Protection 1 Over 2 Bit 31 = Conf Protection 1 Over 1

Register	Description	Type	Units	Scaling Factor	R/W	Range
45572-73	Configurable Protection Pre-Alarm Bits	Uint32	n/a	n/a	R	Bit 0 = Conf Protection 8 Under 2 Bit 1 = Conf Protection 8 Under 1 Bit 2 = Conf Protection 8 Over 2 Bit 3 = Conf Protection 8 Over 1 Bit 4 = Conf Protection 7 Under 2 Bit 5 = Conf Protection 7 Under 1 Bit 6 = Conf Protection 7 Over 2 Bit 7 = Conf Protection 7 Over 1 Bit 8 = Conf Protection 6 Under 2 Bit 9 = Conf Protection 6 Under 1 Bit 10 = Conf Protection 6 Over 2 Bit 11 = Conf Protection 6 Over 1 Bit 12 = Conf Protection 5 Under 2 Bit 13 = Conf Protection 5 Under 1 Bit 14 = Conf Protection 5 Over 2 Bit 15 = Conf Protection 5 Over 1 Bit 16 = Conf Protection 4 Under 2 Bit 17 = Conf Protection 4 Under 1 Bit 18 = Conf Protection 4 Over 2 Bit 19 = Conf Protection 4 Over 1 Bit 20 = Conf Protection 3 Under 2 Bit 21 = Conf Protection 3 Under 1 Bit 22 = Conf Protection 3 Over 2 Bit 23 = Conf Protection 3 Over 1 Bit 24 = Conf Protection 2 Under 2 Bit 25 = Conf Protection 2 Under 1 Bit 26 = Conf Protection 2 Over 2 Bit 27 = Conf Protection 2 Over 1 Bit 28 = Conf Protection 1 Under 2 Bit 29 = Conf Protection 1 Under 1 Bit 30 = Conf Protection 1 Over 2 Bit 31 = Conf Protection 1 Over 1
45574	Gen Kvar A	Int32	kvar	n/a	R	(-2147483648) - 2147483647
45576	Gen Kvar B	Int32	kvar	n/a	R	(-2147483648) - 2147483647
45578	Gen Kvar C	Int32	kvar	n/a	R	(-2147483648) - 2147483647
45580	Gen Kvar Total	Int32	kvar	n/a	R	(-2147483648) - 2147483647
45582	Reserved					
45584-85	Logic Control Relay Status	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Logic Control Relay 16 Bit 17 = Logic Control Relay 15 Bit 18 = Logic Control Relay 14 Bit 19 = Logic Control Relay 13 Bit 20 = Logic Control Relay 12 Bit 21 = Logic Control Relay 11 Bit 22 = Logic Control Relay 10 Bit 23 = Logic Control Relay 9 Bit 24 = Logic Control Relay 8 Bit 25 = Logic Control Relay 7 Bit 26 = Logic Control Relay 6 Bit 27 = Logic Control Relay 5 Bit 28 = Logic Control Relay 4 Bit 29 = Logic Control Relay 3 Bit 30 = Logic Control Relay 2 Bit 31 = Logic Control Relay 1

Register	Description	Type	Units	Scaling Factor	R/W	Range
45586-87	I/O Modules Connected	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Not Used Bit 29 = AEM Connected Bit 30 = CEM Connected Bit 31 = Not Used
45588	Max Vector Shift	Int32	n/a	Centi	R	0 - 100000
45590	Max DF/DT	Int32	n/a	Centi	R	0 - 100000
45592	Current DF/DT	Int32	n/a	Centi	R	0 - 100000
45594-95	Status Metering 2	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Bus Reverse Rotation Bit 17 = Bus Forward Rotation Bit 18 = Gen Reverse Rotation Bit 19 = Gen Forward Rotation Bit 20 = Closed Transition Override Bit 21 = Auto Breaker Operation Inhibit Bit 22 = Mains Fail Transfer Inhibit Bit 23 = Restart Delay Active Bit 24 = Synchronizer Break Close OK Bit 25 = Synchronizer Angle OK Bit 26 = Synchronizer Slip Freq OK Bit 27 = Synchronizer Volt Match OK Bit 28 = Synchronizer Active Bit 29 = Parallel To Mains Bit 30 = Mains Fail Test Bit 31 = Take Over Load

Register	Description	Type	Units	Scaling Factor	R/W	Range
45596-97	Gen Protect Pre-Alarm Status	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = 81 ROC DF/DT Trip Bit 19 = 78 Vector Shift Trip Bit 20 = 51-3 Overcurrent Trip Bit 21 = 40 Loss of Excitation Trip Bit 22 = 32 Reverse Overpower Trip Bit 23 = 59-2 Overvoltage Trip Bit 24 = 27-2 Undervoltage Trip Bit 25 = 51-2 Overcurrent Trip Bit 26 = 81 Underfrequency Trip Bit 27 = 81 Overfrequency Trip Bit 28 = 59-1 Overvoltage Trip Bit 29 = 27-1 Undervoltage Trip Bit 30 = 47 Phase Imbalance Trip Bit 31 = 51-1 Overcurrent Trip
45598-99	Gen Protect Alarm Status	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = 81 ROC DF/DT Trip Bit 19 = 78 Vector Shift Trip Bit 20 = 51-3 Overcurrent Trip Bit 21 = 40 Loss of Excitation Trip Bit 22 = 32 Reverse Overpower Trip Bit 23 = 59-2 Overvoltage Trip Bit 24 = 27-2 Undervoltage Trip Bit 25 = 51-2 Overcurrent Trip Bit 26 = 81 Underfrequency Trip Bit 27 = 81 Overfrequency Trip Bit 28 = 59-1 Overvoltage Trip Bit 29 = 27-1 Undervoltage Trip Bit 30 = 47 Phase Imbalance Trip Bit 31 = 51-1 Overcurrent Trip

Register	Description	Type	Units	Scaling Factor	R/W	Range
45600-01	Pre-Alarm Metering 2	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Bus Reverse Rotation Bit 19 = Gen Reverse Rotation Bit 20 = DEF Inducement Override Bit 21 = DEF Severe Inducement Bit 22 = DEF Pre-Severe Inducement Bit 23 = DEF Engine Derate Bit 24 = DEF Fluid Level Empty Bit 25 = DEF Fluid Level Low Bit 26 = DPF Soot Level Severely High Bit 27 = DPF Soot Level Moderately High Bit 28 = DPF Soot Level High Bit 29 = High Exhaust Temperature Bit 30 = DPF Regenerate Disabled Bit 31 = DPF Regenerate Required
45602	Operating Units Config Data	Int32	n/a	n/a	R	0 – 3
45604	Reserved					
45606	Generator Network System Manager Data	Int32	n/a	n/a	R	-1 – 255
45608	Generator Network Unit ID 1	Int32	n/a	n/a	R	-1 – 255
45610	Generator Network Unit ID 2	Int32	n/a	n/a	R	-1 – 255
45612	Generator Network Unit ID 3	Int32	n/a	n/a	R	-1 – 255
45614	Generator Network Unit ID 4	Int32	n/a	n/a	R	-1 – 255
45616	Generator Network Unit ID 5	Int32	n/a	n/a	R	-1 – 255
45618	Generator Network Unit ID 6	Int32	n/a	n/a	R	-1 – 255
45620	Generator Network Unit ID 7	Int32	n/a	n/a	R	-1 – 255
45622	Generator Network Unit ID 8	Int32	n/a	n/a	R	-1 – 255
45624	Generator Network Unit ID 9	Int32	n/a	n/a	R	-1 – 255
45626	Generator Network Unit ID 10	Int32	n/a	n/a	R	-1 – 255
45628	Generator Network Unit ID 11	Int32	n/a	n/a	R	-1 – 255
45630	Generator Network Unit ID 12	Int32	n/a	n/a	R	-1 – 255
45632	Generator Network Unit ID 13	Int32	n/a	n/a	R	-1 – 255
45634	Generator Network Unit ID 14	Int32	n/a	n/a	R	-1 – 255
45636	Generator Network Unit ID 15	Int32	n/a	n/a	R	-1 – 255
45638	Generator Network Unit ID 16	Int32	n/a	n/a	R	-1 – 255
45640	Generator Network Number of Units	Int32	n/a	n/a	R	0 – 16
45642	Load Share Input Data	Int32	CentiUnit	Centi	R	(-100000000) - 99999900
45644	Generator Network Number of Units Online	Int32	n/a	n/a	R	0 – 16
45646	Generator Network Total System kW Capacity	Int32	n/a	n/a	R	0 – 16777216
45648	Generator Network Total Generated kW	Int32	n/a	n/a	R	0 – 16777216
45650	Generator Network Total Generated kvar	Int32	n/a	n/a	R	0 – 16777216
45652	Sequencing Mode Feedback from Load Sharing	Int32	n/a	n/a	R	-2147483648 – 2147483647
45654	Next Unit to Start Load Sharing	Int32	n/a	n/a	R	-1 – 255
45656	Next Unit to Stop Load Sharing	Int32	n/a	n/a	R	-1 – 255
45658	Start Timer 1 Sec Load Sharing	Int32	n/a	n/a	R	0 – 32767
45660	Start Timer 2 Sec Load Sharing	Int32	n/a	n/a	R	0 – 32767
45662	Stop Timer Sec Load Sharing	Int32	n/a	n/a	R	0 – 32767
45664-750	Reserved					
45752	pc Emergency Stop	UInt32	n/a	n/a	RW	0 = Stop 1 = Start
45754	pc Relay Closed: Runs when in Auto mode	UInt32	n/a	n/a	RW	0 = Stop 1 = Start
45756-60	Reserved					
45762	Embedded Code Version Number	UInt32	n/a	n/a	R	
45764	Boot Code Version Number	Int32	n/a	n/a	R	
45766	Model Number	UInt32	n/a	n/a	R	
45768	Embedded Code Part Number	UInt32	n/a	n/a	R	
45770	Conf Prot 1 Param Select	UInt32	n/a	n/a	RW	No Parameter=0 OIL P=1 Coolant Temp=2

Register	Description	Type	Units	Scaling Factor	R/W	Range
						BATT V=3 RPM=4 FUEL LVL=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 GEN VAN=11 GEN VBN=12 GEN VCN=13 Gen Vavg LN=14 BUS 1 Hz=15 BUS 1 VAB=16 BUS 1 VBC=17 BUS 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 BUS 2 Hz=24 BUS 2 VAB=25 BUS 2 VBC=26 BUS 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 BUS 1 PF=34 Bus 2 PF=35 Gen Pos kWH=36 Gen Neg kWH=37 Bus 1 Pos kWH=38 Bus 1 Neg kWH=39 Bus 2 Pos kWH=40 Bus 2 Neg kWH=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 BUS 1 IA=46 BUS 1 IB=47 BUS 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I AUX=55 GEN kW A=56 GEN kW B=57 GEN kW C=58 GEN kW TOT=59 BUS 1 kW A=60 BUS 1 kW B=61 BUS 1 kW C=62 BUS 1 kW TOT=63 BUS 2 kW A=64 BUS 2 kW B=65 BUS 2 kW C=66 BUS 2 kW TOT=67 GEN kVA A=68 GEN kVA B=69 GEN kVA C=70 GEN kVA TOT=71 BUS 1 kVA A=72 BUS 1 kVA B=73 BUS 1 kVA C=74 BUS 1 kVA TOT=75 BUS 2 kVA A=76 BUS 2 kVA B=77 BUS 2 kVA C=78 BUS 2 kVA TOT=79 GEN kvar A=80 GEN kvar B=81 GEN kvar C=82 GEN kvar TOT=83

Register	Description	Type	Units	Scaling Factor	R/W	Range
						BUS 1 kvar A=84 BUS 1 kvar B=85 BUS 1 kvar C=86 BUS 1 kvar TOT=87 BUS 2 kvar A=88 BUS 2 kvar B=89 BUS 2 kvar C=90 BUS 2 kvar TOT=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen Kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351

Register	Description	Type	Units	Scaling Factor	R/W	Range
						AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
45772	Conf Prot 1 Hysteresis	Int32	Percent	Deci	RW	0 - 1000
45774	Conf Prot 1 Arming Delay	Int32	Second	n/a	RW	0 - 300
45776	Conf Prot 1 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45778	Conf Prot 1 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45780	Conf Prot 1 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45782	Conf Prot 1 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45784	Conf Prot 1 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45786	Conf Prot 1 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45788	Conf Prot 1 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45790	Conf Prot 1 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45792	Conf Prot 1 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45794	Conf Prot 1 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45796	Conf Prot 2 Param Select	Unit32	n/a	n/a	RW	No Parameter=0 OIL P=1 Coolant Temp=2 BATT V=3 RPM=4 FUEL LVL=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 GEN VAN=11 GEN VBN=12 GEN VCN=13 Gen Vavg LN=14 BUS 1 Hz=15 BUS 1 VAB=16 BUS 1 VBC=17 BUS 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 BUS 2 Hz=24 BUS 2 VAB=25 BUS 2 VBC=26 BUS 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 BUS 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36

Register	Description	Type	Units	Scaling Factor	R/W	Range
						Gen Neg kWH=37 Bus 1 Pos kWH=38 Bus 1 Neg kWH=39 Bus 2 Pos kWH=40 Bus 2 Neg kWH=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 BUS 1 IA=46 BUS 1 IB=47 BUS 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I AUX=55 GEN kW A=56 GEN kW B=57 GEN kW C=58 GEN kW TOT=59 BUS 1 kW A=60 BUS 1 kW B=61 BUS 1 kW C=62 BUS 1 kW TOT=63 BUS 2 kW A=64 BUS 2 kW B=65 BUS 2 kW C=66 BUS 2 kW TOT=67 GEN kVA A=68 GEN kVA B=69 GEN kVA C=70 GEN kVA TOT=71 BUS 1 kVA A=72 BUS 1 kVA B=73 BUS 1 kVA C=74 BUS 1 kVA TOT=75 BUS 2 kVA A=76 BUS 2 kVA B=77 BUS 2 kVA C=78 BUS 2 kVA TOT=79 GEN kvar A=80 GEN kvar B=81 GEN kvar C=82 GEN kvar TOT=83 BUS 1 kvar A=84 BUS 1 kvar B=85 BUS 1 kvar C=86 BUS 1 kvar TOT=87 BUS 2 kvar A=88 BUS 2 kvar B=89 BUS 2 kvar C=90 BUS 2 kvar TOT=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen Kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304

Register	Description	Type	Units	Scaling Factor	R/W	Range
						AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
45798	Conf Prot 2 Hysteresis	Int32	Percent	Deci	RW	0 - 1000
45800	Conf Prot 2 Arming Delay	Int32	Second	n/a	RW	0 - 300
45802	Conf Prot 2 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45804	Conf Prot 2 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45806	Conf Prot 2 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45808	Conf Prot 2 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45810	Conf Prot 2 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45812	Conf Prot 2 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45814	Conf Prot 2 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm

Register	Description	Type	Units	Scaling Factor	R/W	Range
45816	Conf Prot 2 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45818	Conf Prot 2 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45820	Conf Prot 2 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45822	Conf Prot 3 Param Select	Uint32	n/a	n/a	RW	No Parameter=0 OIL P=1 Coolant Temp=2 BATT V=3 RPM=4 FUEL LVL=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 GEN VAN=11 GEN VBN=12 GEN VCN=13 Gen Vavg LN=14 BUS 1 Hz=15 BUS 1 Vab=16 BUS 1 Vbc=17 BUS 1 Vca=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 BUS 2 Hz=24 BUS 2 VAB=25 BUS 2 VBC=26 BUS 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 BUS 1 PF=34 Bus 2 PF=35 Gen Pos kWH=36 Gen Neg kWH=37 Bus 1 Pos kWH=38 Bus 1 Neg kWH=39 Bus 2 Pos kWH=40 Bus 2 Neg kWH=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 BUS 1 IA=46 BUS 1 IB=47 BUS 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I AUX=55 GEN kW A=56 GEN kW B=57 GEN kW C=58 GEN kW TOT=59 BUS 1 kW A=60 BUS 1 kW B=61 BUS 1 kW C=62 BUS 1 kW TOT=63 BUS 2 kW A=64 BUS 2 kW B=65 BUS 2 kW C=66 BUS 2 kW TOT=67 GEN kVA A=68 GEN kVA B=69 GEN kVA C=70 GEN kVA TOT=71

Register	Description	Type	Units	Scaling Factor	R/W	Range
						BUS 1 kVA A=72 BUS 1 kVA B=73 BUS 1 kVA C=74 BUS 1 kVA TOT=75 BUS 2 kVA A=76 BUS 2 kVA B=77 BUS 2 kVA C=78 BUS 2 kVA TOT=79 GEN kvar A=80 GEN kvar B=81 GEN kvar C=82 GEN kvar TOT=83 BUS 1 kvar A=84 BUS 1 kvar B=85 BUS 1 kvar C=86 BUS 1 kvar TOT=87 BUS 2 kvar A=88 BUS 2 kvar B=89 BUS 2 kvar C=90 BUS 2 kvar TOT=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen Kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339

Register	Description	Type	Units	Scaling Factor	R/W	Range
						AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
45824	Conf Prot 3 Hysteresis	Int32	Percent	Deci	RW	1 - 1000
45826	Conf Prot 3 Arming Delay	Int32	Second	n/a	RW	0 - 300
45828	Conf Prot 3 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45830	Conf Prot 3 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45832	Conf Prot 3 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45834	Conf Prot 3 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45836	Conf Prot 3 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45838	Conf Prot 3 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45840	Conf Prot 3 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45842	Conf Prot 3 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45844	Conf Prot 3 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45846	Conf Prot 3 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45848	Conf Prot 4 Param Select	UInt32	n/a	n/a	RW	No Parameter=0 OIL P=1 Coolant Temp=2 BATT V=3 RPM=4 FUEL LVL=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 GEN VAN=11 GEN VBN=12 GEN VCN=13 Gen Vavg LN=14 BUS 1 Hz=15 BUS 1 VAB=16 BUS 1 VBC=17 BUS 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 BUS 2 Hz=24

Register	Description	Type	Units	Scaling Factor	R/W	Range
						BUS 2 VAB=25 BUS 2 VBC=26 BUS 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 BUS 1 PF=34 Bus 2 PF=35 Gen Pos kWH=36 Gen Neg kWH=37 Bus 1 Pos kWH=38 Bus 1 Neg kWH=39 Bus 2 Pos kWH=40 Bus 2 Neg kWH=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 BUS 1 IA=46 BUS 1 IB=47 BUS 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I AUX=55 GEN kW A=56 GEN kW B=57 GEN kW C=58 GEN kW TOT=59 BUS 1 kW A=60 BUS 1 kW B=61 BUS 1 kW C=62 BUS 1 kW TOT=63 BUS 2 kW A=64 BUS 2 kW B=65 BUS 2 kW C=66 BUS 2 kW TOT=67 GEN kVA A=68 GEN kVA B=69 GEN kVA C=70 GEN kVA TOT=71 BUS 1 kVA A=72 BUS 1 kVA B=73 BUS 1 kVA C=74 BUS 1 kVA TOT=75 BUS 2 kVA A=76 BUS 2 kVA B=77 BUS 2 kVA C=78 BUS 2 kVA TOT=79 GEN kvar A=80 GEN kvar B=81 GEN kvar C=82 GEN kvar TOT=83 BUS 1 kvar A=84 BUS 1 kvar B=85 BUS 1 kvar C=86 BUS 1 kvar TOT=87 BUS 2 kvar A=88 BUS 2 kvar B=89 BUS 2 kvar C=90 BUS 2 kvar TOT=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105

Register	Description	Type	Units	Scaling Factor	R/W	Range
						Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen Kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373

Register	Description	Type	Units	Scaling Factor	R/W	Range
						LS Output=374
45850	Conf Prot 4 Hysteresis	Int32	Percent	Deci	RW	1 - 1000
45852	Conf Prot 4 Arming Delay	Int32	Second	n/a	RW	0 - 300
45854	Conf Prot 4 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45856	Conf Prot 4 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45858	Conf Prot 4 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45860	Conf Prot 4 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45862	Conf Prot 4 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45864	Conf Prot 4 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45866	Conf Prot 4 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45868	Conf Prot 4 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45870	Conf Prot 4 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45872	Conf Prot 4 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45874	Conf Prot 5 Param Select	UInt32	n/a	n/a	RW	No Parameter=0 OIL P=1 Coolant Temp=2 BATT V=3 RPM=4 FUEL LVL=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 GEN VAN=11 GEN VBN=12 GEN VCN=13 Gen Vavg LN=14 BUS 1 Hz=15 BUS 1 VAB=16 BUS 1 VBC=17 BUS 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 BUS 2 Hz=24 BUS 2 VAB=25 BUS 2 VBC=26 BUS 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 BUS 1 PF=34 Bus 2 PF=35 Gen Pos kWH=36 Gen Neg kWH=37 Bus 1 Pos kWH=38 Bus 1 Neg kWH=39 Bus 2 Pos kWH=40 Bus 2 Neg kWH=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 BUS 1 IA=46 BUS 1 IB=47 BUS 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I AUX=55 GEN kW A=56 GEN kW B=57 GEN kW C=58

Register	Description	Type	Units	Scaling Factor	R/W	Range
						GEN kW TOT=59 BUS 1 kW A=60 BUS 1 kW B=61 BUS 1 kW C=62 BUS 1 kW TOT=63 BUS 2 kW A=64 BUS 2 kW B=65 BUS 2 kW C=66 BUS 2 kW TOT=67 GEN kVA A=68 GEN kVA B=69 GEN kVA C=70 GEN kVA TOT=71 BUS 1 kVA A=72 BUS 1 kVA B=73 BUS 1 kVA C=74 BUS 1 kVA TOT=75 BUS 2 kVA A=76 BUS 2 kVA B=77 BUS 2 kVA C=78 BUS 2 kVA TOT=79 GEN kvar A=80 GEN kvar B=81 GEN kvar C=82 GEN kvar TOT=83 BUS 1 kvar A=84 BUS 1 kvar B=85 BUS 1 kvar C=86 BUS 1 kvar TOT=87 BUS 2 kvar A=88 BUS 2 kvar B=89 BUS 2 kvar C=90 BUS 2 kvar TOT=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen Kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326

Register	Description	Type	Units	Scaling Factor	R/W	Range
						AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
45876	Conf Prot 5 Hysteresis	Int32	Percent	Deci	RW	1 - 1000
45878	Conf Prot 5 Arming Delay	Int32	Second	n/a	RW	0 - 300
45880	Conf Prot 5 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45882	Conf Prot 5 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45884	Conf Prot 5 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45886	Conf Prot 5 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45888	Conf Prot 5 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45890	Conf Prot 5 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45892	Conf Prot 5 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45894	Conf Prot 5 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45896	Conf Prot 5 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45898	Conf Prot 5 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45900	Conf Prot 6 Param Select	UInt32	n/a	n/a	RW	No Parameter=0 OIL P=1 Coolant Temp=2 BATT V=3 RPM=4 FUEL LVL=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 GEN VAN=11

Register	Description	Type	Units	Scaling Factor	R/W	Range
						GEN VBN=12 GEN VCN=13 Gen Vavg LN=14 BUS 1 Hz=15 BUS 1 VAB=16 BUS 1 VBC=17 BUS 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 BUS 2 Hz=24 BUS 2 VAB=25 BUS 2 VBC=26 BUS 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 BUS 1 PF=34 Bus 2 PF=35 Gen Pos kWH=36 Gen Neg kWH=37 Bus 1 Pos kWH=38 Bus 1 Neg kWH=39 Bus 2 Pos kWH=40 Bus 2 Neg kWH=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 BUS 1 IA=46 BUS 1 IB=47 BUS 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I AUX=55 GEN kW A=56 GEN kW B=57 GEN kW C=58 GEN kW TOT=59 BUS 1 kW A=60 BUS 1 kW B=61 BUS 1 kW C=62 BUS 1 kW TOT=63 BUS 2 kW A=64 BUS 2 kW B=65 BUS 2 kW C=66 BUS 2 kW TOT=67 GEN kVA A=68 GEN kVA B=69 GEN kVA C=70 GEN kVA TOT=71 BUS 1 kVA A=72 BUS 1 kVA B=73 BUS 1 kVA C=74 BUS 1 kVA TOT=75 BUS 2 kVA A=76 BUS 2 kVA B=77 BUS 2 kVA C=78 BUS 2 kVA TOT=79 GEN kvar A=80 GEN kvar B=81 GEN kvar C=82 GEN kvar TOT=83 BUS 1 kvar A=84 BUS 1 kvar B=85 BUS 1 kvar C=86 BUS 1 kvar TOT=87 BUS 2 kvar A=88 BUS 2 kvar B=89 BUS 2 kvar C=90 BUS 2 kvar TOT=91 Fuel Pressure=92

Register	Description	Type	Units	Scaling Factor	R/W	Range
						Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen Kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360

Register	Description	Type	Units	Scaling Factor	R/W	Range
						AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
45902	Conf Prot 6 Hysteresis	Int32	Percent	Deci	RW	1 - 1000
45904	Conf Prot 6 Arming Delay	Int32	Second	n/a	RW	0 - 300
45906	Conf Prot 6 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45908	Conf Prot 6 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45910	Conf Prot 6 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45912	Conf Prot 6 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45914	Conf Prot 6 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45916	Conf Prot 6 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45918	Conf Prot 6 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45920	Conf Prot 6 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45922	Conf Prot 6 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45924	Conf Prot 6 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45926	Conf Prot 7 Param Select	UInt32	n/a	n/a	RW	No Parameter=0 OIL P=1 Coolant Temp=2 BATT V=3 RPM=4 FUEL LVL=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 GEN VAN=11 GEN VBN=12 GEN VCN=13 Gen Vavg LN=14 BUS 1 Hz=15 BUS 1 Vab=16 BUS 1 Vbc=17 BUS 1 Vca=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 BUS 2 Hz=24 BUS 2 VAB=25 BUS 2 VBC=26 BUS 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 BUS 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45

Register	Description	Type	Units	Scaling Factor	R/W	Range
						BUS 1 IA=46 BUS 1 IB=47 BUS 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I AUX=55 GEN kW A=56 GEN kW B=57 GEN kW C=58 GEN kW TOT=59 BUS 1 kW A=60 BUS 1 kW B=61 BUS 1 kW C=62 BUS 1 kW TOT=63 BUS 2 kW A=64 BUS 2 kW B=65 BUS 2 kW C=66 BUS 2 kW TOT=67 GEN kVA A=68 GEN kVA B=69 GEN kVA C=70 GEN kVA TOT=71 BUS 1 kVA A=72 BUS 1 kVA B=73 BUS 1 kVA C=74 BUS 1 kVA TOT=75 BUS 2 kVA A=76 BUS 2 kVA B=77 BUS 2 kVA C=78 BUS 2 kVA TOT=79 GEN kvar A=80 GEN kvar B=81 GEN kvar C=82 GEN kvar TOT=83 BUS 1 kvar A=84 BUS 1 kvar B=85 BUS 1 kvar C=86 BUS 1 kvar TOT=87 BUS 2 kvar A=88 BUS 2 kvar B=89 BUS 2 kvar C=90 BUS 2 kvar TOT=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen Kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313

Register	Description	Type	Units	Scaling Factor	R/W	Range
						AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
45928	Conf Prot 7 Hysteresis	Int32	Percent	Deci	RW	1 - 1000
45930	Conf Prot 7 Arming Delay	Int32	Second	n/a	RW	0 - 300
45932	Conf Prot 7 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45934	Conf Prot 7 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45936	Conf Prot 7 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45938	Conf Prot 7 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45940	Conf Prot 7 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45942	Conf Prot 7 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45944	Conf Prot 7 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45946	Conf Prot 7 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45948	Conf Prot 7 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm

Register	Description	Type	Units	Scaling Factor	R/W	Range
45950	Conf Prot 7 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45952	Conf Prot 8 Param Select	UInt32	n/a	n/a	RW	No Parameter=0 OIL P=1 Coolant Temp=2 BATT V=3 RPM=4 FUEL LVL=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 GEN VAN=11 GEN VBN=12 GEN VCN=13 Gen Vavg LN=14 BUS 1 Hz=15 BUS 1 VAB=16 BUS 1 VBC=17 BUS 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 BUS 2 Hz=24 BUS 2 VAB=25 BUS 2 VBC=26 BUS 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 BUS 1 PF=34 Bus 2 PF=35 Gen Pos kWH=36 Gen Neg kWH=37 Bus 1 Pos kWH=38 Bus 1 Neg kWH=39 Bus 2 Pos kWH=40 Bus 2 Neg kWH=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 BUS 1 IA=46 BUS 1 IB=47 BUS 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I AUX=55 GEN kW A=56 GEN kW B=57 GEN kW C=58 GEN kW TOT=59 BUS 1 kW A=60 BUS 1 kW B=61 BUS 1 kW C=62 BUS 1 kW TOT=63 BUS 2 kW A=64 BUS 2 kW B=65 BUS 2 kW C=66 BUS 2 kW TOT=67 GEN kVA A=68 GEN kVA B=69 GEN kVA C=70 GEN kVA TOT=71 BUS 1 kVA A=72 BUS 1 kVA B=73 BUS 1 kVA C=74 BUS 1 kVA TOT=75 BUS 2 kVA A=76 BUS 2 kVA B=77

Register	Description	Type	Units	Scaling Factor	R/W	Range
						BUS 2 kVA C=78 BUS 2 kVA TOT=79 GEN kvar A=80 GEN kvar B=81 GEN kvar C=82 GEN kvar TOT=83 BUS 1 kvar A=84 BUS 1 kvar B=85 BUS 1 kvar C=86 BUS 1 kvar TOT=87 BUS 2 kvar A=88 BUS 2 kvar B=89 BUS 2 kvar C=90 BUS 2 kvar TOT=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen Kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345

Register	Description	Type	Units	Scaling Factor	R/W	Range
						AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
45954	Conf Prot 8 Hysteresis	Int32	Percent	Deci	RW	1 - 1000
45956	Conf Prot 8 Arming Delay	Int32	Second	n/a	RW	0 - 300
45958	Conf Prot 8 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45960	Conf Prot 8 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45962	Conf Prot 8 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45964	Conf Prot 8 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45966	Conf Prot 8 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45968	Conf Prot 8 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45970	Conf Prot 8 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45972	Conf Prot 8 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45974	Conf Prot 8 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45976	Conf Prot 8 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45978-6248	Reserved					
46250	PLC Timer 1 Seconds	Int32	Second	Deci	RW	0 - 18000
46252	PLC Timer 2 Seconds	Int32	Second	Deci	RW	0 - 18000
46254	PLC Timer 3 Seconds	Int32	Second	Deci	RW	0 - 18000
46256	PLC Timer 4 Seconds	Int32	Second	Deci	RW	0 - 18000
46258	PLC Timer 5 Seconds	Int32	Second	Deci	RW	0 - 18000
46260	PLC Timer 6 Seconds	Int32	Second	Deci	RW	0 - 18000
46262	PLC Timer 7 Seconds	Int32	Second	Deci	RW	0 - 18000
46264	PLC Timer 8 Seconds	Int32	Second	Deci	RW	0 - 18000
46266	PLC Timer 9 Seconds	Int32	Second	Deci	RW	0 - 18000
46268	PLC Timer 10 Seconds	Int32	Second	Deci	RW	0 - 18000
46270-309	Reserved					
46310	AEM Input 1 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46312	AEM Input 1 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46314	AEM Input 1 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46316	AEM Input 1 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46318	AEM Input 1 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) - 99999900
46320	AEM Input 1 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) - 99999900
46322	AEM Input 1 Hysteresis	Int32	Deci Percent	Deci	RW	0 - 1000
46324	AEM Input 1 Arming Delay	Int32	Second	n/a	RW	0 - 300
46326	AEM Input 1 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
46328	AEM Input 1 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
46330	AEM Input 1 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) - 99999900
46332	AEM Input 1 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) - 99999900
46334	AEM Input 1 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) - 99999900
46336	AEM Input 1 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) - 99999900

Register	Description	Type	Units	Scaling Factor	R/W	Range
46338	AEM Input 1 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46340	AEM Input 1 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46342	AEM Input 1 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46344	AEM Input 1 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46346	AEM Input 1 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46348	AEM Input 2 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46350	AEM Input 2 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46352	AEM Input 2 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46354	AEM Input 2 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46356	AEM Input 2 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46358	AEM Input 2 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46360	AEM Input 2 Hysteresis	Int32	Deci Percent	Deci	RW	0 – 1000
46362	AEM Input 2 Arming Delay	Int32	Second	n/a	RW	0 – 300
46364	AEM Input 2 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 – 300
46366	AEM Input 2 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 – 300
46368	AEM Input 2 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46370	AEM Input 2 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46372	AEM Input 2 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46374	AEM Input 2 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46376	AEM Input 2 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46378	AEM Input 2 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46380	AEM Input 2 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46382	AEM Input 2 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46384	AEM Input 2 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46386	AEM Input 3 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46388	AEM Input 3 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46390	AEM Input 3 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46392	AEM Input 3 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46394	AEM Input 3 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46396	AEM Input 3 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46398	AEM Input 3 Hysteresis	Int32	Deci Percent	Deci	RW	0 – 1000
46400	AEM Input 3 Arming Delay	Int32	Second	n/a	RW	0 – 300
46402	AEM Input 3 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 – 300
46404	AEM Input 3 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 – 300
46406	AEM Input 3 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46408	AEM Input 3 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46410	AEM Input 3 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46412	AEM Input 3 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46414	AEM Input 3 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46416	AEM Input 3 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46418	AEM Input 3 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46420	AEM Input 3 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46422	AEM Input 3 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm

Register	Description	Type	Units	Scaling Factor	R/W	Range
46424	AEM Input 4 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46426	AEM Input 4 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46428	AEM Input 4 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46430	AEM Input 4 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46432	AEM Input 4 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46434	AEM Input 4 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46436	AEM Input 4 Hysteresis	Int32	Deci Percent	Deci	RW	0 – 1000
46438	AEM Input 4 Arming Delay	Int32	Second	n/a	RW	0 – 300
46440	AEM Input 4 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 – 300
46442	AEM Input 4 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 – 300
46444	AEM Input 4 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46446	AEM Input 4 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46448	AEM Input 4 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46450	AEM Input 4 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46452	AEM Input 4 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46454	AEM Input 4 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46456	AEM Input 4 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46458	AEM Input 4 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46460	AEM Input 4 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46462 - 46498	Reserved					
46500	AEM Input 5 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46502	AEM Input 5 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46504	AEM Input 5 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46506	AEM Input 5 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46508	AEM Input 5 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46510	AEM Input 5 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46512	AEM Input 5 Hysteresis	Int32	Deci Percent	Deci	RW	0 – 1000
46514	AEM Input 5 Arming Delay	Int32	Second	n/a	RW	0 – 300
46516	AEM Input 5 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 – 300
46518	AEM Input 5 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 – 300
46520	AEM Input 5 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46522	AEM Input 5 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46524	AEM Input 5 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46526	AEM Input 5 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46528	AEM Input 5 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46530	AEM Input 5 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46532	AEM Input 5 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46534	AEM Input 5 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46536	AEM Input 5 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46538	AEM Input 6 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46540	AEM Input 6 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46542	AEM Input 6 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46544	AEM Input 6 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46546	AEM Input 6 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46548	AEM Input 6 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46550	AEM Input 6 Hysteresis	Int32	Deci Percent	Deci	RW	0 – 1000
46552	AEM Input 6 Arming Delay	Int32	Second	n/a	RW	0 – 300
46554	AEM Input 6 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 – 300

Register	Description	Type	Units	Scaling Factor	R/W	Range
46556	AEM Input 6 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 – 300
46558	AEM Input 6 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46560	AEM Input 6 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46562	AEM Input 6 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46564	AEM Input 6 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46566	AEM Input 6 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46568	AEM Input 6 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46570	AEM Input 6 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46572	AEM Input 6 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46574	AEM Input 6 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46576	AEM Input 7 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46578	AEM Input 7 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46580	AEM Input 7 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46582	AEM Input 7 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46584	AEM Input 7 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46586	AEM Input 7 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46588	AEM Input 7 Hysteresis	Int32	Deci Percent	Deci	RW	0 – 1000
46590	AEM Input 7 Arming Delay	Int32	Second	n/a	RW	0 – 300
46592	AEM Input 7 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 – 300
46594	AEM Input 7 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 – 300
46596	AEM Input 7 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46598	AEM Input 7 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46600	AEM Input 7 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46602	AEM Input 7 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46604	AEM Input 7 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46606	AEM Input 7 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46608	AEM Input 7 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46610	AEM Input 7 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46612	AEM Input 7 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46614	AEM Input 8 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46616	AEM Input 8 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46618	AEM Input 8 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46620	AEM Input 8 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46622	AEM Input 8 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46624	AEM Input 8 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46626	AEM Input 8 Hysteresis	Int32	Deci Percent	Deci	RW	0 – 1000
46628	AEM Input 8 Arming Delay	Int32	Second	n/a	RW	0 – 300
46630	AEM Input 8 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 – 300
46632	AEM Input 8 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 – 300
46634	AEM Input 8 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46636	AEM Input 8 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46638	AEM Input 8 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46640	AEM Input 8 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46642	AEM Input 8 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46644	AEM Input 8 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46646	AEM Input 8 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm

Register	Description	Type	Units	Scaling Factor	R/W	Range
46648	AEM Input 8 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46650	AEM Input 8 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46652	AEM Output 1 Max Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46654	AEM Output 1 Max Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46656	AEM Output 1 Min Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46658	AEM Output 1 Min Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46660	AEM Output 1 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46662	AEM Output 1 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46664	AEM Output 1 Param Selection	Uint32	n/a	n/a	RW	No Parameter=0 OIL P=1 Coolant Temp=2 BATT V=3 RPM=4 FUEL LVL=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 GEN VAN=11 GEN VBN=12 GEN VCN=13 Gen Vavg LN=14 BUS 1 Hz=15 BUS 1 VAB=16 BUS 1 VBC=17 BUS 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 BUS 2 Hz=24 BUS 2 VAB=25 BUS 2 VBC=26 BUS 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 BUS 1 PF=34 Bus 2 PF=35 Gen Pos kWH=36 Gen Neg kWH=37 Bus 1 Pos kWH=38 Bus 1 Neg kWH=39 Bus 2 Pos kWH=40 Bus 2 Neg kWH=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 BUS 1 IA=46 BUS 1 IB=47 BUS 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I AUX=55 GEN kW A=56 GEN kW B=57 GEN kW C=58 GEN kW TOT=59 BUS 1 kW A=60 BUS 1 kW B=61 BUS 1 kW C=62 BUS 1 kW TOT=63 BUS 2 kW A=64 BUS 2 kW B=65 BUS 2 kW C=66

Register	Description	Type	Units	Scaling Factor	R/W	Range
						BUS 2 kW TOT=67 GEN kVA A=68 GEN kVA B=69 GEN kVA C=70 GEN kVA TOT=71 BUS 1 kVA A=72 BUS 1 kVA B=73 BUS 1 kVA C=74 BUS 1 kVA TOT=75 BUS 2 kVA A=76 BUS 2 kVA B=77 BUS 2 kVA C=78 BUS 2 kVA TOT=79 GEN kvar A=80 GEN kvar B=81 GEN kvar C=82 GEN kvar TOT=83 BUS 1 kvar A=84 BUS 1 kvar B=85 BUS 1 kvar C=86 BUS 1 kvar TOT=87 BUS 2 kvar A=88 BUS 2 kvar B=89 BUS 2 kvar C=90 BUS 2 kvar TOT=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen Kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334

Register	Description	Type	Units	Scaling Factor	R/W	Range
						AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
46666	AEM Output 1 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46668	AEM Output 1 Out of Range Time Delay	Int32	Second	n/a	RW	0 – 300
46670	AEM Output 2 Max Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46672	AEM Output 2 Max Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46674	AEM Output 2 Min Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46676	AEM Output 2 Min Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46678	AEM Output 2 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46680	AEM Output 2 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46682	AEM Output 2 Param Selection	UInt32	n/a	n/a	RW	No Parameter=0 OIL P=1 Coolant Temp=2 BATT V=3 RPM=4 FUEL LVL=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 GEN VAN=11 GEN VBN=12 GEN VCN=13 Gen Vavg LN=14 BUS 1 Hz=15 BUS 1 VAB=16 BUS 1 VBC=17 BUS 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 BUS 2 Hz=24 BUS 2 VAB=25 BUS 2 VBC=26 BUS 2 VCA=27 Bus 2 Vavg LL=28

Register	Description	Type	Units	Scaling Factor	R/W	Range
						Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 BUS 1 PF=34 Bus 2 PF=35 Gen Pos kWH=36 Gen Neg kWH=37 Bus 1 Pos kWH=38 Bus 1 Neg kWH=39 Bus 2 Pos kWH=40 Bus 2 Neg kWH=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 BUS 1 IA=46 BUS 1 IB=47 BUS 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I AUX=55 GEN kW A=56 GEN kW B=57 GEN kW C=58 GEN kW TOT=59 BUS 1 kW A=60 BUS 1 kW B=61 BUS 1 kW C=62 BUS 1 kW TOT=63 BUS 2 kW A=64 BUS 2 kW B=65 BUS 2 kW C=66 BUS 2 kW TOT=67 GEN kVA A=68 GEN kVA B=69 GEN kVA C=70 GEN kVA TOT=71 BUS 1 kVA A=72 BUS 1 kVA B=73 BUS 1 kVA C=74 BUS 1 kVA TOT=75 BUS 2 kVA A=76 BUS 2 kVA B=77 BUS 2 kVA C=78 BUS 2 kVA TOT=79 GEN kvar A=80 GEN kvar B=81 GEN kvar C=82 GEN kvar TOT=83 BUS 1 kvar A=84 BUS 1 kvar B=85 BUS 1 kvar C=86 BUS 1 kvar TOT=87 BUS 2 kvar A=88 BUS 2 kvar B=89 BUS 2 kvar C=90 BUS 2 kvar TOT=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109

Register	Description	Type	Units	Scaling Factor	R/W	Range
						System kW Capacity=110 System Total Gen kW=111 System Total Gen Kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
46684	AEM Output 2 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm

Register	Description	Type	Units	Scaling Factor	R/W	Range
46686	AEM Output 2 Out of Range Time Delay	Int32	Second	n/a	RW	0 – 300
46688	AEM Output 3 Max Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46690	AEM Output 3 Max Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46692	AEM Output 3 Min Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46694	AEM Output 3 Min Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46696	AEM Output 3 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46698	AEM Output 3 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46700	AEM Output 3 Param Selection	Uint32	n/a	n/a	RW	No Parameter=0 OIL P=1 Coolant Temp=2 BATT V=3 RPM=4 FUEL LVL=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 GEN VAN=11 GEN VBN=12 GEN VCN=13 Gen Vavg LN=14 BUS 1 Hz=15 BUS 1 VAB=16 BUS 1 VBC=17 BUS 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 BUS 2 Hz=24 BUS 2 VAB=25 BUS 2 VBC=26 BUS 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33 BUS 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 BUS 1 IA=46 BUS 1 IB=47 BUS 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I AUX=55 GEN kW A=56 GEN kW B=57 GEN kW C=58 GEN kW TOT=59 BUS 1 kW A=60 BUS 1 kW B=61 BUS 1 kW C=62 BUS 1 kW TOT=63 BUS 2 kW A=64 BUS 2 kW B=65 BUS 2 kW C=66 BUS 2 kW TOT=67 GEN kVA A=68 GEN kVA B=69 GEN kVA C=70 GEN kVA TOT=71

Register	Description	Type	Units	Scaling Factor	R/W	Range
						BUS 1 kVA A=72 BUS 1 kVA B=73 BUS 1 kVA C=74 BUS 1 kVA TOT=75 BUS 2 kVA A=76 BUS 2 kVA B=77 BUS 2 kVA C=78 BUS 2 kVA TOT=79 GEN kvar A=80 GEN kvar B=81 GEN kvar C=82 GEN kvar TOT=83 BUS 1 kvar A=84 BUS 1 kvar B=85 BUS 1 kvar C=86 BUS 1 kvar TOT=87 BUS 2 kvar A=88 BUS 2 kvar B=89 BUS 2 kvar C=90 BUS 2 kvar TOT=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen Kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301 AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339

Register	Description	Type	Units	Scaling Factor	R/W	Range
						AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
46702	AEM Output 3 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46704	AEM Output 3 Out of Range Time Delay	Int32	Second	n/a	RW	0 – 300
46706	AEM Output 4 Max Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46708	AEM Output 4 Max Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46710	AEM Output 4 Min Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46712	AEM Output 4 Min Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46714	AEM Output 4 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46716	AEM Output 4 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46718	AEM Output 4 Param Selection	Uint32	n/a	n/a	RW	No Parameter=0 OIL P=1 Coolant Temp=2 BATT V=3 RPM=4 FUEL LVL=5 Gen Hz=6 Gen VAB=7 Gen VBC=8 Gen VCA=9 Gen Vavg LL=10 GEN VAN=11 GEN VBN=12 GEN VCN=13 Gen Vavg LN=14 BUS 1 Hz=15 BUS 1 VAB=16 BUS 1 VBC=17 BUS 1 VCA=18 Bus 1 Vavg LL=19 Bus 1 VA=20 Bus 1 VB=21 Bus 1 VC=22 Bus 1 Vavg LN=23 BUS 2 Hz=24 BUS 2 VAB=25 BUS 2 VBC=26 BUS 2 VCA=27 Bus 2 Vavg LL=28 Bus 2 VAN=29 Bus 2 VBN=30 Bus 2 VCN=31 Bus 2 Vavg LN=32 Gen PF=33

Register	Description	Type	Units	Scaling Factor	R/W	Range
						BUS 1 PF=34 Bus 2 PF=35 Gen Pos kWh=36 Gen Neg kWh=37 Bus 1 Pos kWh=38 Bus 1 Neg kWh=39 Bus 2 Pos kWh=40 Bus 2 Neg kWh=41 Gen IA=42 Gen IB=43 Gen IC=44 Gen I Avg=45 BUS 1 IA=46 BUS 1 IB=47 BUS 1 IC=48 Bus 1 Iavg=49 Bus 2 IAN=50 Bus 2 IBN=51 Bus 2 ICN=52 Bus 2 Iavg=53 IG=54 I AUX=55 GEN kW A=56 GEN kW B=57 GEN kW C=58 GEN kW TOT=59 BUS 1 kW A=60 BUS 1 kW B=61 BUS 1 kW C=62 BUS 1 kW TOT=63 BUS 2 kW A=64 BUS 2 kW B=65 BUS 2 kW C=66 BUS 2 kW TOT=67 GEN kVA A=68 GEN kVA B=69 GEN kVA C=70 GEN kVA TOT=71 BUS 1 kVA A=72 BUS 1 kVA B=73 BUS 1 kVA C=74 BUS 1 kVA TOT=75 BUS 2 kVA A=76 BUS 2 kVA B=77 BUS 2 kVA C=78 BUS 2 kVA TOT=79 GEN kvar A=80 GEN kvar B=81 GEN kvar C=82 GEN kvar TOT=83 BUS 1 kvar A=84 BUS 1 kvar B=85 BUS 1 kvar C=86 BUS 1 kvar TOT=87 BUS 2 kvar A=88 BUS 2 kvar B=89 BUS 2 kvar C=90 BUS 2 kvar TOT=91 Fuel Pressure=92 Injector metering rail pressure=93 Total Fuel Used=94 Fuel temperature=95 Engine oil temperature=96 Engine intercooler temperature=97 Coolant pressure=98 Fuel Rate=99 Boost pressure=100 Intake manifold temperature=101 Charge air temperature=102 Engine Percent Load=103 Analog Input 1=104 Analog Input 2=105 Analog Input 3=106 Analog Input 4=107 kW Load Percent=108 Number of Units Online=109 System kW Capacity=110 System Total Gen kW=111 System Total Gen Kvar=112 AEM 1 Analog Input 1=300 AEM 1 Analog Input 2=301

Register	Description	Type	Units	Scaling Factor	R/W	Range
						AEM 1 Analog Input 3=302 AEM 1 Analog Input 4=303 AEM 1 Analog Input 5=304 AEM 1 Analog Input 6=305 AEM 1 Analog Input 7=306 AEM 1 Analog Input 8=307 AEM 1 RTD Input 1=308 AEM 1 RTD Input 2=309 AEM 1 RTD Input 3=310 AEM 1 RTD Input 4=311 AEM 1 RTD Input 5=312 AEM 1 RTD Input 6=313 AEM 1 RTD Input 7=314 AEM 1 RTD Input 8=315 AEM 1 TC Input 1=316 AEM 1 TC Input 2=317 AEM 2 Analog Input 1=318 AEM 2 Analog Input 2=319 AEM 2 Analog Input 3=320 AEM 2 Analog Input 4=321 AEM 2 Analog Input 5=322 AEM 2 Analog Input 6=323 AEM 2 Analog Input 7=324 AEM 2 Analog Input 8=325 AEM 2 RTD Input 1=326 AEM 2 RTD Input 2=327 AEM 2 RTD Input 3=328 AEM 2 RTD Input 4=329 AEM 2 RTD Input 5=330 AEM 2 RTD Input 6=331 AEM 2 RTD Input 7=332 AEM 2 RTD Input 8=333 AEM 2 TC Input 1=334 AEM 2 TC Input 2=335 AEM 3 Analog Input 1=336 AEM 3 Analog Input 2=337 AEM 3 Analog Input 3=338 AEM 3 Analog Input 4=339 AEM 3 Analog Input 5=340 AEM 3 Analog Input 6=341 AEM 3 Analog Input 7=342 AEM 3 Analog Input 8=343 AEM 3 RTD Input 1=344 AEM 3 RTD Input 2=345 AEM 3 RTD Input 3=346 AEM 3 RTD Input 4=347 AEM 3 RTD Input 5=348 AEM 3 RTD Input 6=349 AEM 3 RTD Input 7=350 AEM 3 RTD Input 8=351 AEM 3 TC Input 1=352 AEM 3 TC Input 2=353 AEM 4 Analog Input 1=354 AEM 4 Analog Input 2=355 AEM 4 Analog Input 3=356 AEM 4 Analog Input 4=357 AEM 4 Analog Input 5=358 AEM 4 Analog Input 6=359 AEM 4 Analog Input 7=360 AEM 4 Analog Input 8=361 AEM 4 RTD Input 1=362 AEM 4 RTD Input 2=363 AEM 4 RTD Input 3=364 AEM 4 RTD Input 4=365 AEM 4 RTD Input 5=366 AEM 4 RTD Input 6=367 AEM 4 RTD Input 7=368 AEM 4 RTD Input 8=369 AEM 4 TC Input 1=370 AEM 4 TC Input 2=371 AVR Output=372 GOV Output=373 LS Output=374
46720	AEM Output 4 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46722	AEM Output 4 Out of Range Time Delay	Int32	Second	n/a	RW	0 – 300
46724 - 46748	Reserved					

Register	Description	Type	Units	Scaling Factor	R/W	Range
46750	User Config Input 1 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46752	User Config Input 1 Time Delay	Int32	Second	n/a	RW	0 – 300
46754	User Config Input 1 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46756	User Config Input 2 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46758	User Config Input 2 Time Delay	Int32	Second	n/a	RW	0 – 300
46760	User Config Input 2 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46762	User Config Input 3 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46764	User Config Input 3 Time Delay	Int32	Second	n/a	RW	0 – 300
46766	User Config Input 3 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46768	User Config Input 4 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46770	User Config Input 4 Time Delay	Int32	Second	n/a	RW	0 – 300
46772	User Config Input 4 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46774	User Config Input 5 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46776	User Config Input 5 Time Delay	Int32	Second	n/a	RW	0 – 300
46778	User Config Input 5 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46780	User Config Input 6 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46782	User Config Input 6 Time Delay	Int32	Second	n/a	RW	0 – 300
46784	User Config Input 6 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46786	User Config Input 7 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46788	User Config Input 7 Time Delay	Int32	Second	n/a	RW	0 – 300
46790	User Config Input 7 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46792	User Config Input 8 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46794	User Config Input 8 Time Delay	Int32	Second	n/a	RW	0 – 300
46796	User Config Input 8 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46798	User Config Input 9 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46800	User Config Input 9 Time Delay	Int32	Second	n/a	RW	0 – 300
46802	User Config Input 9 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46804	User Config Input 10 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46806	User Config Input 10 Time Delay	Int32	Second	n/a	RW	0 – 300
46808	User Config Input 10 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46810	User Config Input 11 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46812	User Config Input 11 Time Delay	Int32	Second	n/a	RW	0 – 300
46814	User Config Input 11 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46816	User Config Input 12 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46818	User Config Input 12 Time Delay	Int32	Second	n/a	RW	0 – 300
46820	User Config Input 12 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46822	User Config Input 13 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46824	User Config Input 13 Time Delay	Int32	Second	n/a	RW	0 – 300
46826	User Config Input 13 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only

Register	Description	Type	Units	Scaling Factor	R/W	Range
46828	User Config Input 14 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46830	User Config Input 14 Time Delay	Int32	Second	n/a	RW	0 – 300
46832	User Config Input 14 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46834	User Config Input 15 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46836	User Config Input 15 Time Delay	Int32	Second	n/a	RW	0 – 300
46838	User Config Input 15 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46840	User Config Input 16 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46842	User Config Input 16 Time Delay	Int32	Second	n/a	RW	0 – 300
46844	User Config Input 16 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46846	User Config Input 17 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46848	User Config Input 17 Time Delay	Int32	Second	n/a	RW	0 – 300
46850	User Config Input 17 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46852	User Config Input 18 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46854	User Config Input 18 Time Delay	Int32	Second	n/a	RW	0 – 300
46856	User Config Input 18 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46858	User Config Input 19 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46860	User Config Input 19 Time Delay	Int32	Second	n/a	RW	0 – 300
46862	User Config Input 19 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46864	User Config Input 20 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46866	User Config Input 20 Time Delay	Int32	Second	n/a	RW	0 – 300
46868	User Config Input 20 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46870	User Config Input 21 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46872	User Config Input 21 Time Delay	Int32	Second	n/a	RW	0 – 300
46874	User Config Input 21 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46876	User Config Input 22 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46878	User Config Input 22 Time Delay	Int32	Second	n/a	RW	0 – 300
46880	User Config Input 22 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46882	User Config Input 23 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46884	User Config Input 23 Time Delay	Int32	Second	n/a	RW	0 – 300
46886	User Config Input 23 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46888	User Config Input 24 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46890	User Config Input 24 Time Delay	Int32	Second	n/a	RW	0 – 300
46892	User Config Input 24 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46894	User Config Input 25 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46896	User Config Input 25 Time Delay	Int32	Second	n/a	RW	0 – 300
46898	User Config Input 25 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46900	User Config Input 26 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46902	User Config Input 26 Time Delay	Int32	Second	n/a	RW	0 – 300
46904	User Config Input 26 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only

Register	Description	Type	Units	Scaling Factor	R/W	Range
46906	ATS Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46908	ATS Time Delay	Int32	Second	n/a	RW	0 – 300
46910	ATS Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46912	Battle Override Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46914	Battle Override Time Delay	Int32	Second	n/a	RW	0 – 300
46916	Battle Override Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46918	Low Coolant Level Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46920	Low Coolant Level Config Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
46922	Low Coolant Level Time Delay	Int32	Second	n/a	RW	0 – 300
46924	Low Coolant Level Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46926	Battery Charge Failed Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16

Register	Description	Type	Units	Scaling Factor	R/W	Range
46928	Battery Charge Failed Config Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
46930	Battery Charge Failed Time Delay	Int32	Second	n/a	RW	0 – 300
46932	Battery Charge Failed Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46934	Fuel Leak Detect Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46936	Fuel Leak Detect Config Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
46938	Fuel Leak Detect Time Delay	Int32	Second	n/a	RW	0 – 300
46940	Fuel Leak Detect Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46942	Single-Phase Connection Override Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46944	Reserved					
46946	Single-Phase Connection Override Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46948	Single-Phase AC Sense Override Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46950	Single-Phase AC Sense Override Time Delay	Int32	Second	n/a	RW	0 – 300
46952	Single-Phase AC Sense Override Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only

Register	Description	Type	Units	Scaling Factor	R/W	Range
46954	High/Low Line Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46956	Hi/Lo Line Time Delay	Int32	Second	n/a	RW	0 – 300
46958	Hi/Lo Line Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46960	Grounded Delta Override Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46962	Grounded Delta Override Time Delay	Int32	Second	n/a	RW	0 – 300
46964	Grounded Delta Override Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only



Revision History

The following information (Table 5) provides a historical summary of the changes made to this instruction manual (9469300991). Revisions are listed in chronological order.

Table 5. Instruction Manual Revision History

Manual Revision and Date	Change
A, Nov-13	<ul style="list-style-type: none"><li data-bbox="581 478 787 506">• Initial release



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