



CCM Translator

CCM to Modbus Protocol Converter

Application

The Monico CCM Translator is a plug & play protocol converter product which translates engine parameters from Caterpillar® CCM protocol to Modbus RTU protocol over a serial connection. It is used in applications where engine data is to be transferred from a CCM to a PLC, CCM to a Man-Machine Interface (MMI, see Monico MoniTrend product) and from a CCM to remote monitoring devices (see Monico satellite systems).

Compatible Engines and Controls

- | | | | |
|---------------|-----------|------------|-----------|
| • 3400 Diesel | •EMCP11+ | •G3400 EIS | •ADEM II |
| • 3500B | •EMCP11+P | •G3500 EIS | •ADEM III |
| • EMCPII | •G3600 | •G3500AF | •ICSM |

Standard Equipment

- Translator Hardware & Software.
- 24 Vdc or 110 Vac, to 5 Vdc power supply.
- Translator to CCM cables.

Inputs

- Four serial RS 232 serial inputs.
- Multiple optional inputs for exhaust temperatures, auxiliary equipment and external processes.

Features

- Automatic CCM detection and configuration.
- Retrieves all engine PID's for any engine type.
- Retrieves all fault codes.
- Can handle two engines simultaneously.

Installation

- Mount the Translator and power supply in a panel within 50 feet of the CCM.
- Connect the Translator to the CCM via COM2 or COM3.
- Connect the PLC, SCADA, or MMI to the Host port (COM0) and configure it to accept the appropriate Translator Modbus addresses as shown in the Modbus Data Map spreadsheet.
- Supply power to the Translator.
- Begin scanning Translator Modbus addresses to receive engine data.

Add on Monitoring and Control Equipment

- Complete analog and digital I/O systems for entire plant monitoring and control solutions.
- J1939 Translator for protocol conversion to Modbus.
- SatScada Satellite system for multiple parameter monitoring and internet reporting.
- MoniTrend Man-Machine Interface for local gathering, trending and historical data archiving.

*** See our web page at WWW.MONICOINC.COM for more information ***

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