

ADJUSTABLE PARAMETERS

Front Panel Configuration Editor (Factory default settings are shown in bold italicised text)

Section	Parameter as shown on	Values	
Input settings	Oil Pressure Pre Alarm	0 bar -4bar (1.17bar)	
	Oil Pressure Shutdown	0 bar -4bar (1.03bar)	
	High Coolant Temp Pre Alarm	80°C -140°C (115°C)	
	High Coolant Temp Shutdown	80°C -140°C (120°C)	
	Low Coolant Temp Alarm	67°C -137°C (disabled)	
	Low Fuel Level Alarm	0%-100% (disabled)	
Timers	Gen Transient Delay	0 -10s (0s)	
	Start Delay	0 -60m (5s)	
	Pre Heat Time	0 -60m (0s)	
	Crank Time	0 -60s (10s)	
	Crank Rest Time	0 -60s (10s)	
	Safety On Delay	0 -30s (10s)	
	Overspeed Overshoot Delay	0 -10s (0s)	
	Warm Up Time	0 -60m (0s)	
	Return Delay	0 -60m (30s)	
	Cooling Run Time	0 -60m (1m)	
	Fail To Stop Delay	0 -30s (30s)	
	Low Battery Delay	0 -10m (1m)	
	High Battery Delay	0 -10m (1m)	
	Gen Reverse Power Delay	0 -30s (2s)	
Generator	Generator Under Voltage Shutdown	50V-360V ph-N (184V)	
	Generator Under Voltage Pre Alarm	50V-360V ph-N (196V)	
	Generator Nominal Voltage	52V-330V(230V)	
	Generator Over Voltage Pre Alarm	50V-360V ph-N (265V)	
	Generator Over Voltage Shutdown	50V-360V ph-N (277V)	
	Generator Under Frequency Shutdown	0Hz -75Hz (40Hz)	
	Generator Under Frequency Pre Alarm	0Hz -75Hz (42Hz)	
	Generator Nominal Frequency	0Hz - 74Hz (50Hz)	
	Generator Over Frequency Pre Alarm	0 -75Hz (55Hz)	
	Generator Over Frequency Shutdown	0 -75Hz (57Hz)	
	Generator Over Current Trip	100-200% full load rating (100%)	
	Generator Short Circuit Trip	50%-300% full load rating (200%)	
	Generator Reverse Power Trip	0%-200% full load rating (35kW)	
	Earth Fault Trip	1%-100% full load rating (10%)	
Engine	Engine Underspeed Shutdown	0-6000RPM (disabled)	
	Engine Underspeed Pre Alarm	0-6000RPM (disabled)	
	Engine Overspeed Pre Alarm	0-6000RPM (disabled)	
	Engine Overspeed Shutdown	0-6000RPM (disabled)	
	Overspeed Overshoot	0-10 (0%)	
	Plant Battery Under Volt Alarm	0-40V (10V)	
	Plant Battery Over Volt Alarm	0-40V (30V)	
	Charge Alternator Failure Alarm	0-40V (6V)	
Display	Language	ENGLISH , OTHERS	
AC System	Alternative Frequency	Enable, Disable	
	Alternative Voltage	Enable, Disable	
	AC System	3 Phase 4 wire 1 Phase 2 wire 3 phase 3 wire 2 phase 3 wire L1 & L2 3 phase 4 wire ED 2 phase 3 wire L1 & L3	
	Generator Full Load Current	0-6000A (500A)	
	Droop	Enable, Disable	
	Droop %	0 -5%	Electronic engines only when Droop is enabled
Display	Contrast	☐ ☒	
Clock	Date and Time	dd mmm yyyy hh:mm:ss	
Misc.	Run Priority	1-16 (1)	
	Auto Scroll Time	0-10s (2.0s)	
CT	Generator CT Primary Rating	0-6000A (600A)	Power Cycle After Exit
	Generator CT Secondary Rating	1A, 5A	Power Cycle After Exit
Power	Full kW Rating	0-6000kW (345kW)	Power Cycle After Exit
	Full kVA Rating	0-6000 (258kVA)	Power Cycle After Exit
	Load Ramp Rate	0-100% (5.0%)	
	Load Level For More Sets	0-100% (80%)	
	Load Level For Less Sets	0-100% (70%)	
	Load Parallel Power	0-100% (172kW)	
	Load Power Factor	0-100% (1.0pF 0kVA 0%)	
	Ramp with P123 present	Enable, Disable	



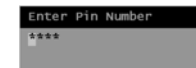
DEEP SEA ELECTRONICS

053-008
ISSUE4

5510 INSTALLATION INSTRUCTIONS

ACCESSING THE FRONT PANEL CONFIGURATION EDITOR

- Ensure the engine is at rest and the module is in STOP mode by pressing the Stop/Reset  button.



- Press the Stop/Reset  and Info  buttons simultaneously.
- If a module security PIN has been set, the PIN number request is then shown (The first * is flashing) :
- Press + or – buttons to adjust it to the correct value. Press ✓ when the first digit is correctly entered. Repeat this process for the other digits of the PIN number.
- When ✓ is pressed after editing the final PIN digit, the PIN is checked for validity. If the number is not correct, the editor is automatically exited. To retry you must re-enter the editor as described above.
- If the PIN has been successfully entered (or the module PIN has not been enabled), CONFIGURATION is displayed :



EDITING A PARAMETER

- Enter the editor as described above.
- Press the + and – buttons to cycle to the parameter you wish to change.
- Press the ✓ button to enter edit mode. When in edit mode (indicated by the flashing parameter)
- Pressing the + and – buttons will adjust the parameter to the desired value.
- For *date and time* editing only: press  to select between day, month, year, hours and minutes.
- Press the ✓ button to 'save' the value. The value will stop flashing to confirm that it has been saved.
- To select another value to edit, press the + button. Continuing to press the + and – buttons will cycle through the adjustable parameters as shown overleaf.
- To exit the front panel configuration editor at any time, press the Stop/Reset  button. Ensure you have saved any changes you have made by pressing the ✓ button first.



NOTE: - When the editor is visible, it is automatically exited after 5 minutes of inactivity to ensure security.

NOTE: - The PIN number is automatically reset when the editor is exited (manually or automatically) to ensure security.

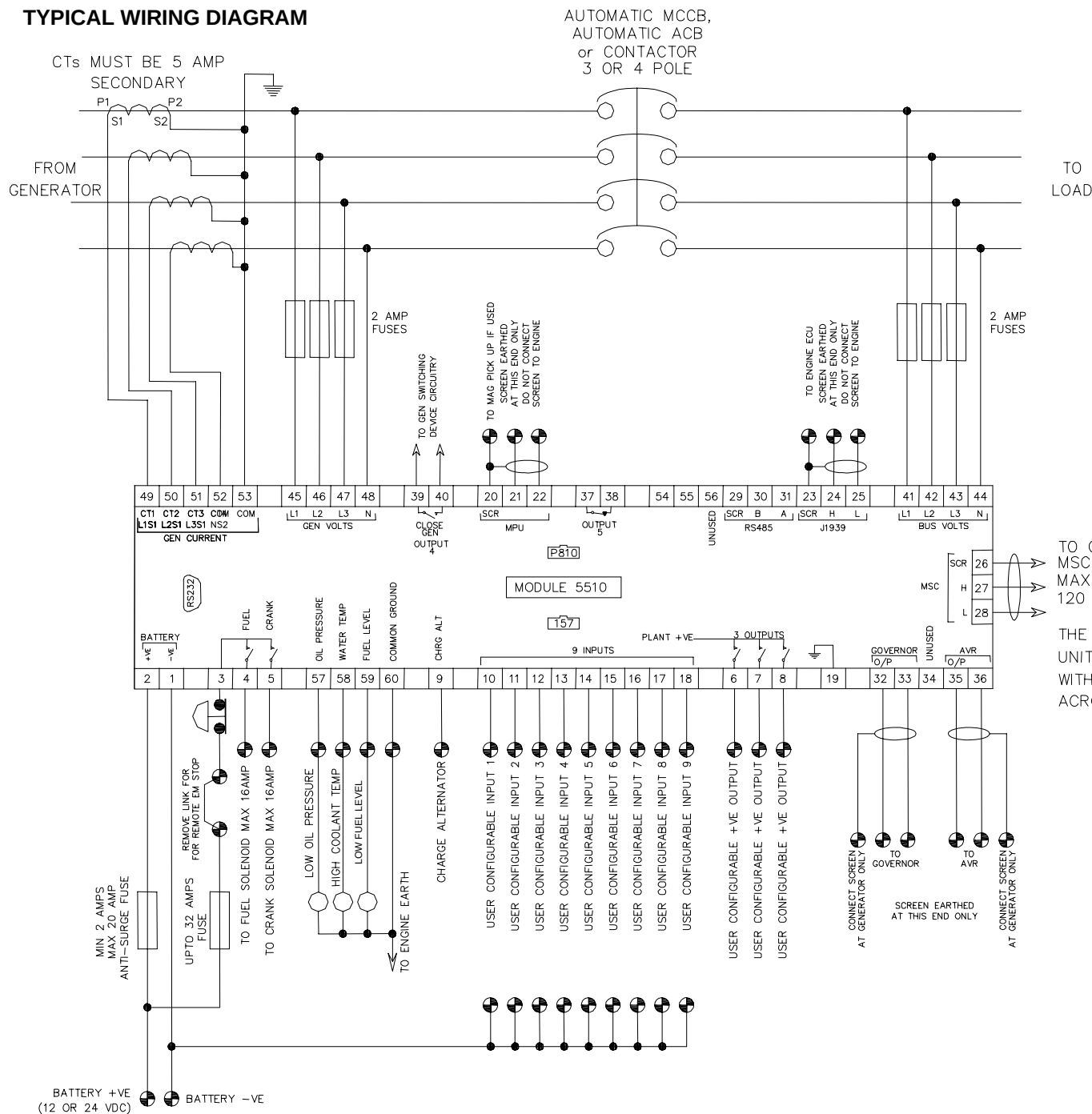
NOTE: - More comprehensive module configuration is possible using the 5xxx series PC configuration software in conjunction with the P810 PC interface. Please contact us for further details.

NOTE: - Languages are subject to change as the modules are updated. Please contact us for the list of latest supported languages.

Deep Sea Electronics Plc.
Highfield House, Hunmanby Industrial Estate,
North Yorkshire. YO14 0PH. ENGLAND.
Tel: +44 (0)1723 890099
Fax: +44 (0)1723 893303.
Email: sales@deepseapl.com
Web: www.deepseapl.com
LO CALL (from UK BT landlines) Tel 0845 260 8900.

Deep Sea Electronics Inc.
3230 Williams Avenue, Rockford,
IL 61101-2668, USA
Phone: +1 (815) 316-8706
Fax: +1 (815) 316-8708
Email: dsesales@deepseausa.com
Web: www.deepseausa.com
TOLL FREE (USA only) Tel: 1 866 636 9703

TYPICAL WIRING DIAGRAM



DIMENSIONS

240mm x 172mm x 57mm
(9.5" x 6.8" x 2.25")

PANEL CUTOUT:

220mm x 160mm
(8.7" x 6.3")

SCREW TERMINALS

Suitable for: 0.6mm² - 1.3mm²
(22 – 16 AWG)
Tightening torque: 0.8Nm
(7 lb / sq in)

TO OTHER 5510 AND 5560
> MSC CONNECTIONS
> MAX 250 METERS
120 OHM SCREENED CABLE

THE FIRST AND LAST
UNITS MSC MUST BE FITTED
WITH A 120 OHM RESISTOR
ACROSS ML AND MH

ADJUSTABLE PARAMETERS Continued

Display and Engine running settings editor

- Press the   buttons simultaneously to enter the editor.
- Press  button to cycle round the available parameters.
- Press   to change the visible parameter.
- To exit select **Abandon** or **Save changes and exit** and press either   button.

Parameter	Values
Contrast	☐ ☐ ☒
Language	ENGLISH, OTHERS
Gen set run priority	1-16 (1)
Abandon changes & exit	
Save changes & exit	