



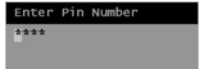
**Front Panel Configuration Editor** (Factory default settings are shown in bold italicised text)

<b>Section</b>	<b>Parameter as shown on</b>	<b>Values</b>	
<b>Input settings</b>	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)	
<b>Timers</b>	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)	
<b>Generator</b>	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%)		
<b>Engine</b>	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)		
<b>Display</b>	Language	<i>ENGLISH, OTHERS</i>	
<b>AC System</b>	Alternative Frequency	Enable, <i>Disable</i>	
	Alternative Voltage	Enable, <i>Disable</i>	
	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, <i>Disable</i>	
	Droop %	0-5%	Electronic engines only when Droop is enabled
<b>Display</b>	Contrast	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	
<b>Clock</b>	Date and Time	dd mmm yyyy hh:mm:ss	
<b>Misc.</b>	Run Priority	1-16 (1)	
	Auto Scroll Time	0-10s (2.0s)	
<b>CT</b>	Generator CT Primary Rating	0-6000A (600A)	Power Cycle After Exit
	Generator CT Secondary Rating	1A, 5A	Power Cycle After Exit
<b>Power</b>	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% (1.0pFf 0kVAr 0%)	
Ramp with P123 present	Enable, <i>Disable</i>		

**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.

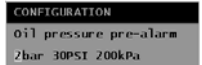


- Press the Stop/Reset and Info buttons simultaneously.
- If a module security PIN has been set, the PIN number request is then shown (The first \* is flashing) :
- Press + or – buttons to adjust it to the correct value. Press ✓ when the first digit is correctly entered. Repeat this process for the other 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.

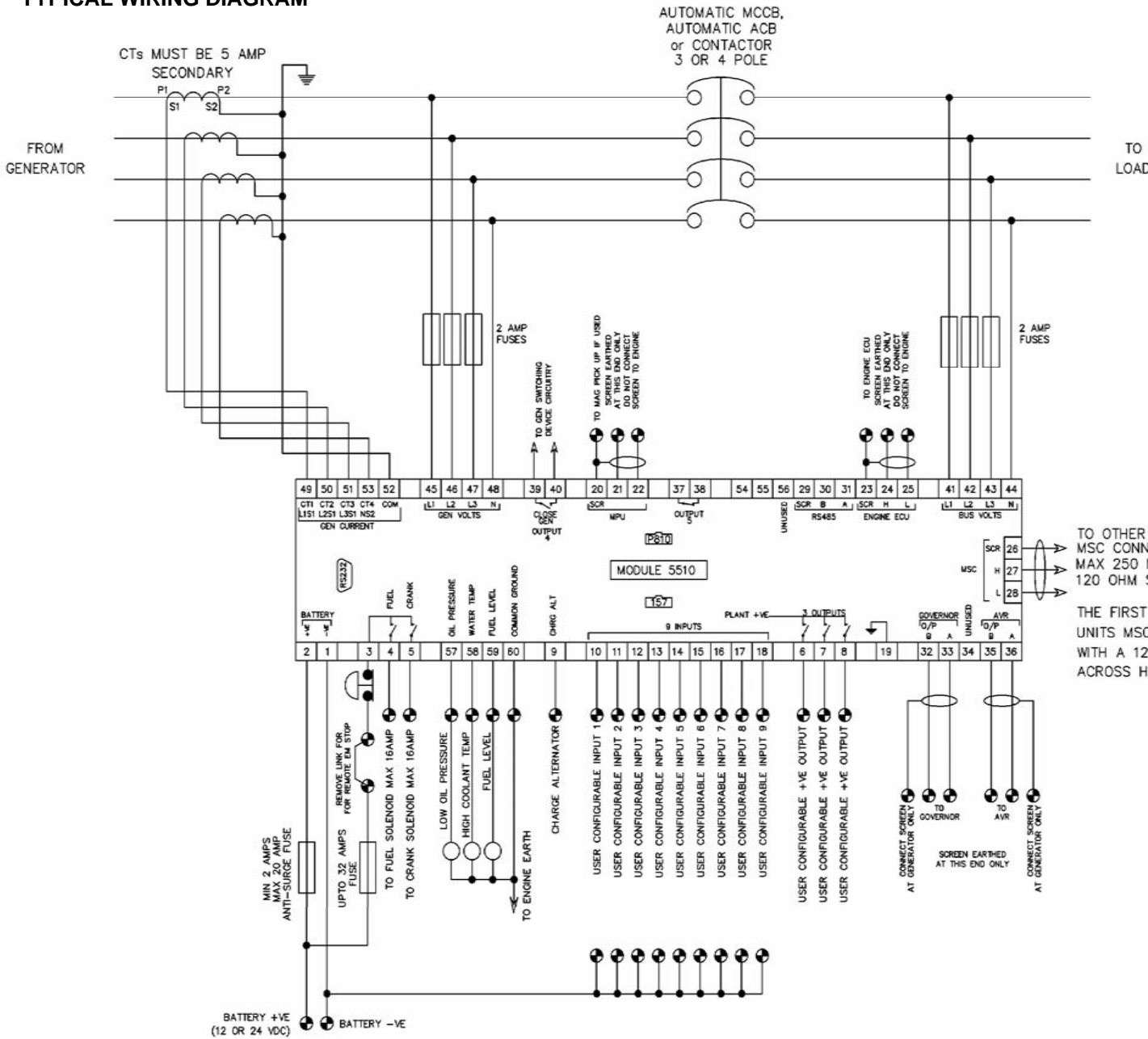
**NOTE:** - More comprehensive module configuration is possible using the 5xxx series PC configuration software in conjunction with the P810 PC interface. Please contact us for further details.

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

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# TYPICAL WIRING DIAGRAM



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 H (27) AND L(28)

**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: 0.6mm<sup>2</sup> - 1.3mm<sup>2</sup>  
 (22 – 16 AWG)  
 Tightening torque: 0.8Nm  
 (7 lb / sq in)

## 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	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Language	ENGLISH, OTHERS
Gen set run priority	1-16 (1)
Enable commissioning screens?	YES, <b>NO</b>
Override starting alarms?	YES, <b>NO</b>
Abandon changes & exit	
Save changes & exit	