

## ADJUSTABLE PARAMETERS

(Factory default settings are shown in bold italicised text)

Section	Parameter as shown on display	Values
<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 ( <i>disabled</i> )
	Low Fuel Level Alarm	0%-100% ( <i>disabled</i> )
<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 (30s)
	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
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)
<b>Engine</b>	Earth Fault Trip	1%-100% full load rating (10%)
	overspeed overshoot	0-10 (0%)
	Plant Battery Under Volt Alarm	0-24V (10V)
	Plant Battery Over Volt Alarm	0-24V (30V)
	Charge Alternator Failure Alarm	0-24V (6V)
	Engine Underspeed Shutdown	0-6000RPM ( <i>disabled</i> )
	Engine Underspeed Pre Alarm	0-6000RPM ( <i>disabled</i> )
	Engine Overspeed Pre Alarm	0-6000RPM ( <i>disabled</i> )
	Engine Overspeed Shutdown	0-6000RPM ( <i>disabled</i> )
<b>Display</b>	Language	<i>ENGLISH</i> , OTHERS (see note below)
	Contrast	<input type="checkbox"/>   <input checked="" type="checkbox"/>
<b>Clock</b>	Date and Time	dd mmm yyyy hh:mm
<b>Misc</b>	Auto Scroll Time	0-10s (2.0s)

**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.**



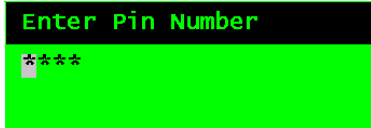



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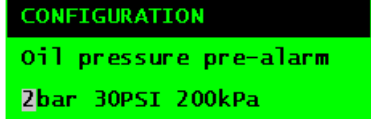


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## 5510 INSTALLATION INSTRUCTIONS

### ACCESSING THE FRONT PANEL CONFIGURATION EDITOR

- 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.

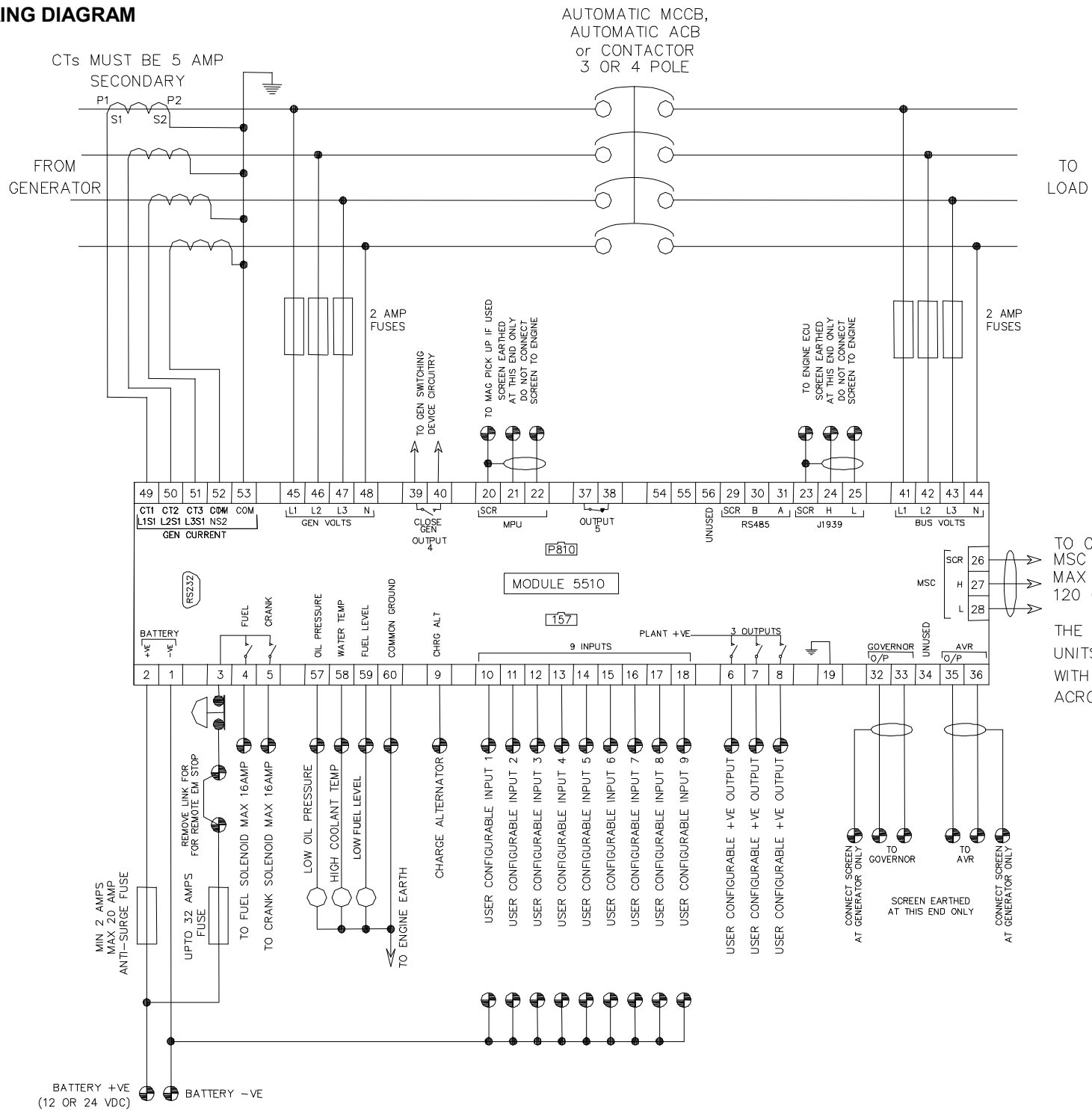
**NOTE:- When the editor is visible, it is automatically exited after 5 minutes of inactivity to ensure security.**

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

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