

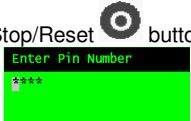


Front Panel Configuration Editor (Factory default settings are shown in bold italicised text)

Section	Parameter as shown on	Values		
Input settings	Oil Pressure Pre Alarm	0bar - 4bar (1.17bar)		
	Oil Pressure Shutdown	0bar - 4bar (1.03bar)		
	High Coolant Temp Pre Alarm	80°C - 140°C (115°C)		
	High Coolant Temp Shutdown	80°C - 140°C (120°C)		
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)		
	Over speed 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)		
	Mains	Mains Under Voltage Alarm	50V-360V ph-N (184V)	
		Mains Over Voltage Alarm	50V-360V ph-N (277V)	
Mains Under Frequency Alarm		0Hz-75Hz (45Hz)		
Mains over Frequency Alarm		0Hz-75Hz (55Hz)		
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	0Hz - 75Hz (55Hz)		
	Generator Over Frequency Shutdown	0Hz - 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 Under speed Shutdown	0RPM - 6000RPM (disabled)		
	Engine Under speed Pre Alarm	0RPM - 6000RPM (disabled)		
	Engine Over speed Pre Alarm	0RPM - 6000RPM (disabled)		
	Engine Over speed Shutdown	0RPM - 6000RPM (disabled)		
	Over speed Overshoot	0% - 10% (0%)		
	Plant Battery Under Volt Alarm	0V - 40V (10V)		
	Plant Battery Over Volt Alarm	0V - 40V (30V)		
	Charge Alternator Failure Alarm	0V - 40V (6V)		
Display	Language	ENGLISH, OTHERS		
AC System	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 EDISON DELTA 2 phase 3 wire L1 & L3		
	Generator Full Load Current	0A - 8000A (500A)		
	Droop	Enable, <i>Disable</i>		
	Droop %	0% - 5%	Electronic engines only when Droop is enabled	
	Display	Contrast	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
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	0A - 8000A (600A)	Power Cycle After Exit	
	Generator CT Secondary Rating	1A, 5A	Power Cycle After Exit	
Power	Full kw Rating	0MW - 20MW (345kW)	Power Cycle After Exit	
	Full kVA Rating	0MVA - 20MVA (258kVA)	Power Cycle After Exit	
	Load Ramp Rate	0% - 100% (3.0%)		
	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%)		

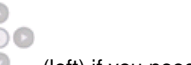
ACCESSING THE FRONT PANEL CONFIGURATION EDITOR

- 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 :



Press (up) or (down) to adjust it to the correct value.

- Press (right) when the first digit is correctly entered. The digit you have just entered will now show '#' for security.
- Repeat this process for the other digits of the PIN number. You can press (left) if you need to move back to adjust one of the previous digits.
- When is pressed after editing the final PIN digit, the PIN is checked for validity. If the number is not correct, you must re-enter the PIN.
- If the PIN has been successfully entered (or the module PIN has not been enabled), the editor is displayed :



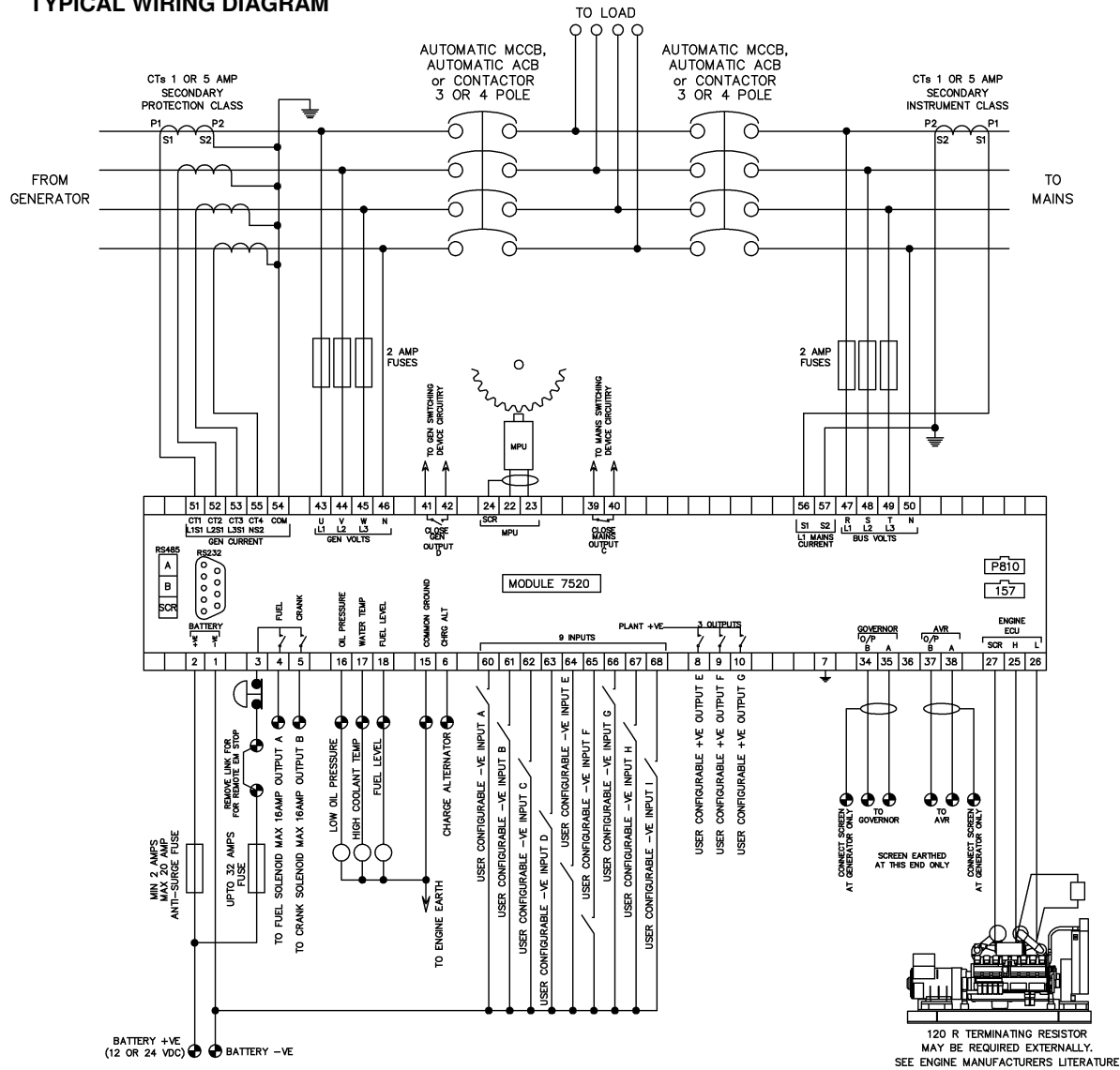
EDITING A PARAMETER

- Enter the editor as described above.
- Press the left or right buttons to cycle to the section you wish to view/change.
- Press the up or down buttons to select the parameter you wish to view/change within the currently selected section.
- To edit the parameter, press to enter edit mode. The parameter begins to flash to indicate that you are editing the value.
- Press the up or down buttons to change the parameter to the required value.
- Press to save the value. The parameter ceases flashing to indicate that it has been saved.
- To exit the editor at any time, press the button.

- 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 75xx series PC configuration software. Please contact us for further details**


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TYPICAL WIRING DIAGRAM



<p>DIMENSIONS 240mm x 172mm x 57mm (9.5" x 6.8" x 2.25")</p>	<p>PANEL CUTOUT 220mm x 160mm (8.7" x 6.3")</p>	<p>SCREW TERMINALS Suitable for : 0.6mm² - 1.3mm² (22 - 16 AWG) Tightening torque : 0.8Nm (7 lb / sq in)</p>
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Accessing the `Running` Configuration Editor

- The `running` editor can be entered while the engine is running. All protections remain active if the engine is running while the running editor is entered.
- Press and hold the  button to enter the running editor.

Editing A Parameter

- Enter the editor as described above.
- Press the left or right buttons to cycle to the section you wish to view/change.
- Press the up and down buttons to change the parameter to the required value.
- To save Parameters scroll to `save changes and exit` followed by the down button.
- To cancel changes scroll to `Abandon changes and exit` followed by the down button.

Parameter	Values
Contrast	<input type="checkbox"/> <input checked="" type="checkbox"/>
Language	ENGLISH , OTHERS
Load Power Factor	0-100% (0%)
Load Parallel Power	0-100% (50%)
Enable commissioning screens?	YES, NO
Override starting alarms?	YES, NO
Voltage Adjust(manual mode only engine running breaker open)	0-100% (0)
Frequency Adjust(manual mode only engine running breaker open)	0-100 (0)
Enable mains decoupling test mode(off mode only)	Yes NO
Abandon changes and exit	
Save changes and exit	