ADJUSTABLE PARAMETERS (Factory default settings are shown in bold italicised text)

Section	Parameter	Display shows	Values
Input settings	Low Oil Pressure warning	Oil pressure pre-alarm	0-4bar (1.17bar)
	Low Oil Pressure shutdown	Oil pressure shutdown	0-4bar (1.03bar)
	High Temperature warning	High Coolant temp pre-alarm	80-140°C (115°C)
	High Temperature shutdown	High Coolant temp shutdown	80-140°C (120℃)
	Low Temperature warning	Low Coolant temp warning	80-140°C (64°C)
Timers	Generator transient delay	Gen transient delay	0 -30s (0s)
	Start delay	Start delay	0 -10hr (5s)
	Return delay	Return delay	0 -5hr (30s)
	Preheat	Preheat	0 -5m (0s)
	Crank attempt	Cranking time	0 -60s (10s)
	Crank rest	Crank rest	0-60s (10s)
	Safety delay	Safety on	0-60s (10s)
	Overspeed overshoot	Overspeed overshoot	0-10s (2s)
	Warming up	Warm up	0-60m (0s)
	Cooling run	Cool i ng	0-60m (1m)
	Fail to stop delay	Fail to stop	0-2m (30s)
	Low battery volts delay	Battery low delay	0-24hr (1m)
	High battery volts delay	Battery high delay	0-24hr (<i>1m</i>)
	Generator Under voltage shutdown	Gen I ow voltage shutdown	50-360V ph-N (184V)
	Generator Under voltage strutdown Generator Under voltage prealarm	Gen low voltage prealarm	50-360V ph-N (196V)
	Generator Over voltage prealarm	Gen high voltage prealarm	50-360V ph-N (265V)
	<u> </u>	ŭ ,	1 \ /
	Generator Over voltage shutdown	Gen high voltage shutdown	50-360V ph-N (276V)
	Generator Under frequency	Gen I ow frequency shutdown	0 -75Hz (40Hz)
	Generator Under frequency prealarm	Gen low frequency preal arm	0 -75Hz (42Hz)
	Generator Over frequency prealarm	Gen high frequency prealarm	0 -75Hz (55Hz)
	Generator Over frequency shutdown	Gen high frequency shutdown	0 -75Hz (57Hz)
	Generator delayed overcurrent	Delayed high current	100-200% (100%)
Engine	Underspeed (RPM) shutdown	Underspeed shutdown	0-6000RPM (1270)
	Underspeed (RPM) warning	Underspeed prealarm	0-6000RPM (1350)
	Overspeed (RPM) warning	Overspeed prealarm	0-6000RPM (1650)
	Overspeed (RPM) shutdown	Overspeed shutdown	0-6000RPM (1710)
	Overspeed overshoot %	Overspeed overshoot	0-10 (0%)
	Low DC Voltage	Battery Iow warning	0-40V (8V)
	High DC Voltage	Battery high warning	0-40V (33V)
	Charge Alternator Failure	Charge fail warning	0-39V (6V)
Display	Language	Language	<i>ENGLI SH</i> , OTHER
			(see note below)
Application	Engine speed selection	Alternative Frequency	Disable, Enable
	Volts selection	Alternative Voltage	Disable, Enable
	Wiring topography	AC System	3 phase 4 wire
			Single phase, 2 wire
			3 phase, 3 wire 2 phase 3 wire (L1 & L)
			2 phase 3 wire (L1 & L2
		Generator Full Load	5A - 6000A (500A)
	Full land accompant actions	I GENELATOL FILL LOSO	15A - 6000A (500A)
	Full load current rating		
	Droop	Droop	Disable, Enable
	Droop Droop%	Droop Droop%	Disable, Enable Compatible engine ECUs only
	Droop	Droop	Disable, Enable

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.

ANOTE:- Front panel language configuration is between English and one other PC configurable language.



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5310 INSTALLATION INSTRUCTIONS

ACCESSING THE FRONT PANEL CONFIGURATION EDITOR

- Press the Stop/Reset o 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.
- If the PIN has been successfully entered (or the module PIN has not been enabled) the first configurable parameter is displayed:

CONFIGURATION

Oil pressure pre-alarm

2bar 30PSI 200kPa

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.

CONFI GURATI ON

Oil pressure pre-alarm 2bar 30PSI 200kPa

- 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.

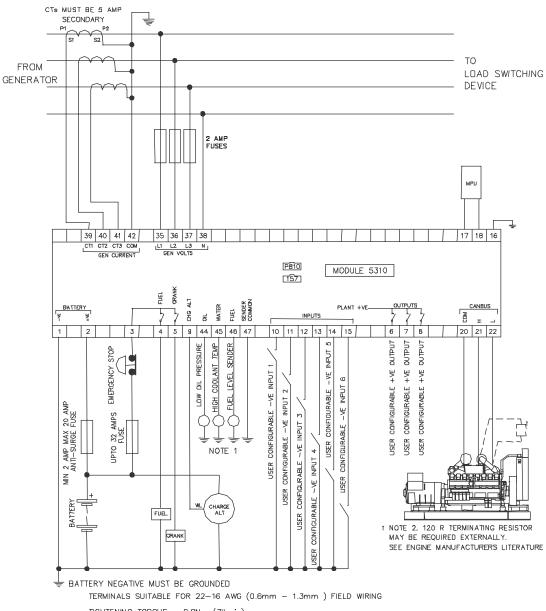
▲NOTE:- The PIN number is automatically reset when the editor is exited (manually or automatically) to ensure security.

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TYPICAL WIRING DIAGRAM



TIGHTENING TORQUE = 0.8Nm (71b-in)

NOTE 1

THESE GROUND CONNECTIONS MUST BE ON THE ENGINE BLOCK, AND MUST BE TO THE SENDER BODIES.

THE GROUND WIRE TO TERMINAL 47 MUST NOT BE USED TO PROVIDE A GROUND CONNECTION TO ANY OTHER DEVICE

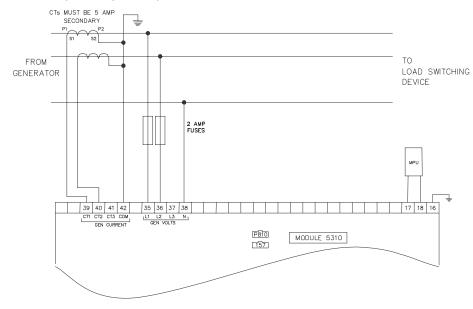
DIMENSIONS

Module dimensions: 240mm x 172mm x 57mm (9.5" x 6.8" x 2.25")

Panel cutout: 220mm x 160m (8.7" x 6.3")

ALTERNATIVE AC WIRING

2 phase, 3 wire (centre tap neutral)



ALTERNATIVE AC WIRING

3 phase, 3 wire

