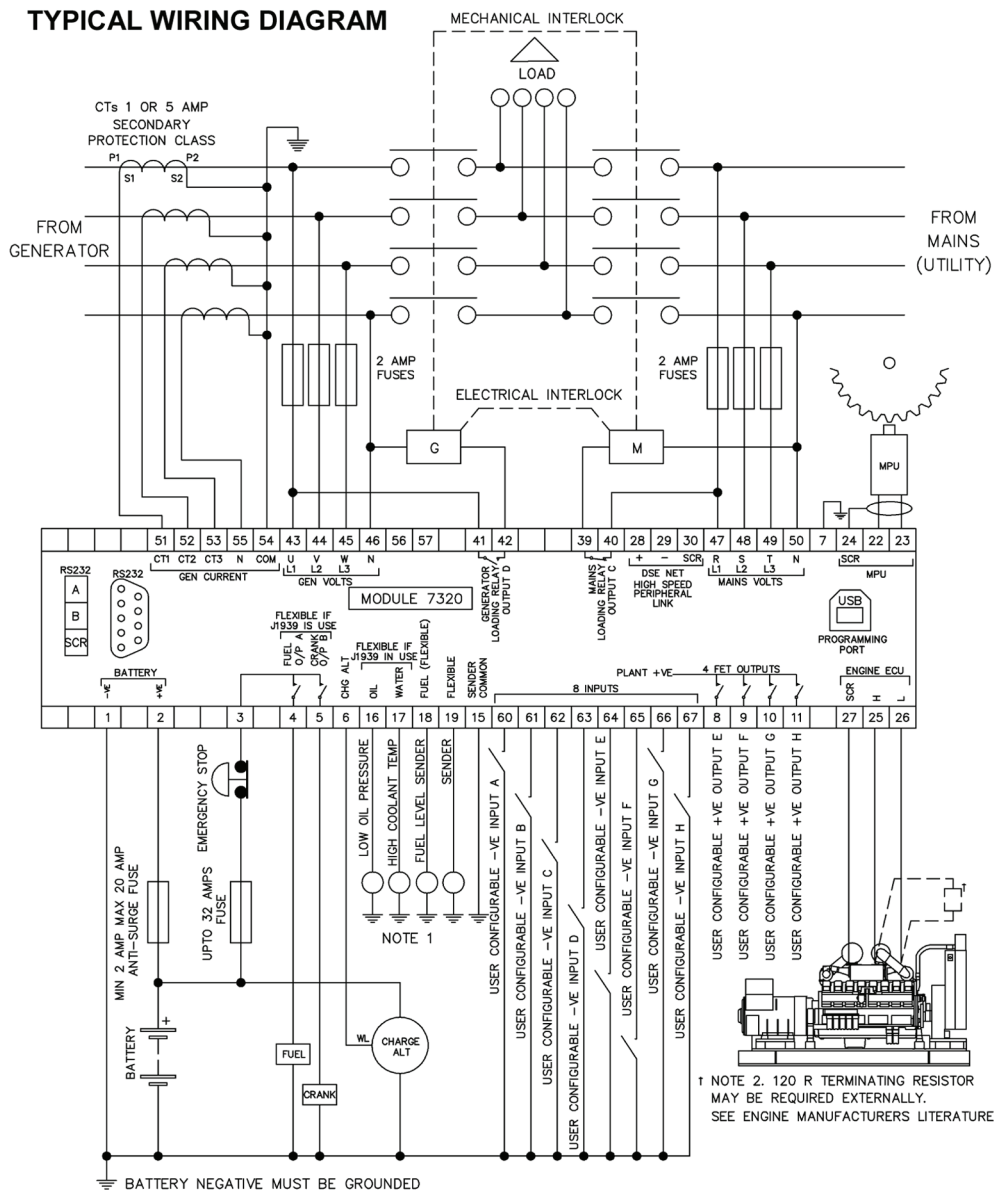


TYPICAL WIRING DIAGRAM



TERMINALS SUITABLE FOR 22-16 AWG (0.6mm - 1.3mm) FIELD WIRING TIGHTENING TORQUE = 0.8Nm (7lb-in)

NOTE 1
THESE GROUND CONNECTIONS MUST BE ON THE ENGINE BLOCK, AND MUST BE TO THE SENDER BODIES.
THE GROUND WIRE TO TERMINAL 15 MUST NOT BE USED TO PROVIDE A GROUND CONNECTION TO ANY OTHER DEVICE.



7320 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:

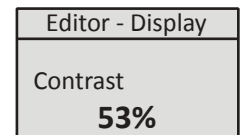


- Press , the first '#' changes to '0'. Press (up) or (down) to adjust it to the correct value.
- Press (right) when the first digit is correctly entered. The digit you have just entered will now show '#' for security.

- 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 and hold the button.

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- ▲ 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 7xxx series PC configuration software. Please contact us for further details.

ADJUSTABLE PARAMETERS (Configuration editor)

Section	Parameter as shown on display	Factory Settings	
DISPLAY	Contrast	53%	
	Language	English	
	LCD Page Timer	5m	
	Auto Scroll Delay	2s	
	Current Date and time	hh:mm	
EDITOR	Alt Config	Default Config	
ENGINE	Oil Pressure Low Shutdown	1.03bar	
	Oil Pressure Low Pre Alarm	1.17bar	
	Coolant Temperature Low Warning	70 C	
	Coolant Temperature High Pre Alarm	90 C	
	Coolant Temperature High Shutdown	95 C	
	Remote Start Delay Off Load	5s	
	Remote Start Delay On Load	5s	
	Mains Fail Start Delay	5s	
	Telemetry Start Delay	5s	
	Start Delay Timer	5s	
	Pre Heat Timer	0s	
	Crank Duration Timer	10s	
	Crank Rest Timer	10s	
	Safety on Delay	10s	
	Smoke Limiting	0s	
	Smoke Limiting off	0s	
	Warm Up Timer	0s	
	Cool Down Timer	1m	
	Engine Under Speed Shutdown	Inactive	
	Engine Under Speed Shutdown	1200RPM	
	Engine Under Speed Warnings	Inactive	
	Engine Under Speed Warnings	1350RPM	
	Engine Over Speed Warnings	Inactive	
	Engine Over Speed Warnings	1650RPM	
	Engine Over Speed Shutdown	1710RPM	
	Engine Speed Overshoot Delay	2s	
	Engine Speed Overshoot	0s	
	Fail to Stop Delay	30s	
	Battery Under Voltage Warning	Active	
	Battery Under Voltage Warning Delay	1m	
	Battery Under Voltage	10V	
	Battery Over Voltage Warning	Active	
	Battery Over Voltage Warning Delay	1m	
	Battery Over Voltage Warning	30s	
	Charge Alternator Failure Warning	Active	
	Charge Alternator Failure Warning	6V	
	Charge Alternator Warning Delay	5s	
	Charge Alternator Failure Shutdown	Active	
	Charge Alternator Failure Shutdown	4.0V	
	Charge Alternator Shutdown Delay	5s	
	Droop Control	Inactive	
	Droop Control	4 % (Compatible engine ECUs only)	
	Fuel Usage Alarm (Running Rate)	0%-100	
	Fuel Usage Alarm (Stopped Rate)	0%-100	
	GENERATOR	Generator Under Voltage Shutdown	184V
		Generator Under Voltage Pre Alarm	196V
		Generator Voltage Nominal	230V
		Generator Over Voltage Pre Alarm	265V
		Generator Over Voltage Shutdown	277V
		Generator Under Frequency Shutdown	40Hz
		Generator Under Frequency Pre Alarm	42Hz
		Generator Frequency Nominal	50Hz
		Generator Over Frequency Pre Alarm	55Hz
Generator Over Frequency Shutdown		57Hz	
Full Load Rating		500A	
Kw Overload Trip		100%	
Delayed over Current		Active	
Delayed over Current		100%	
AC Primary		3 Phase, 4 wire	
CT Primary		600A	
CT Secondary		5A	
Earth CT Primary		500A	
Earth Fault Trip		Inactive	
Earth Fault Trip		10%	
Generator Transient delay		0s	

Front Panel Configuration Editor (continued)

Section	Parameter as shown on display	Factory Settings
MAINS	Mains Under Voltage Trip	184V
	Mains Over Voltage Trip	276V
	Mains Over Voltage Trip	45HZ
	Mains Over Frequency Trip	55HZ
	Mains Transient Delay	2s
	Return Delay	30s
	Mains Transfer Time	0.7s
TIMERS	LCD Page Timer	5m
	Auto Scroll Delay	3s
	Pre Heat Timer	0s
	Crank Duration Timer	0s
	Crank Rest Timer	10s
	Safety on Delay	10s
	Smoke Limiting	10s
	Smoke Limiting off	0s
	Warm up Timer	0s
	Cool Down Timer	0s
	Speed Overshoot Delay	1m
	Fail To Stop Delay	2s
	Battery voltage Low Warning Delay	30s
	Battery voltage High Warning Delay	1m
	Return Delay	1m
	Generator Transient Delay	30s
	Mains Transient Delay	0s
	Mains Transfer Time	2s
	Schedule	0.7s
	SCHEDULE	Schedule On Load
Schedule Period		Active, inactive (only available when Scheduler is active)
Schedule time and Date Selection (1-16)		Weekly, Monthly (only available when Scheduler is active)
Schedule time and Date Selection (1-16)		Press to begin editing then or when selecting the different parameters in the scheduler.

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 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 and hold the button.

ADJUSTABLE PARAMETERS (Running editor)

Running Editor

Section	Parameter as shown on display	Factory Settings
DISPLAY	Contrast	53%
	Language	English
ENGINE	Manual Frequency Trim (Electronic engines only)	0.0 Hz

DIMENSIONS

240.0mm x 181.1mm x 41.7mm (9.4" x 7.1" x 1.6")

PANEL CUTOUT:

220mm X 160mm (8.7"X6.3")