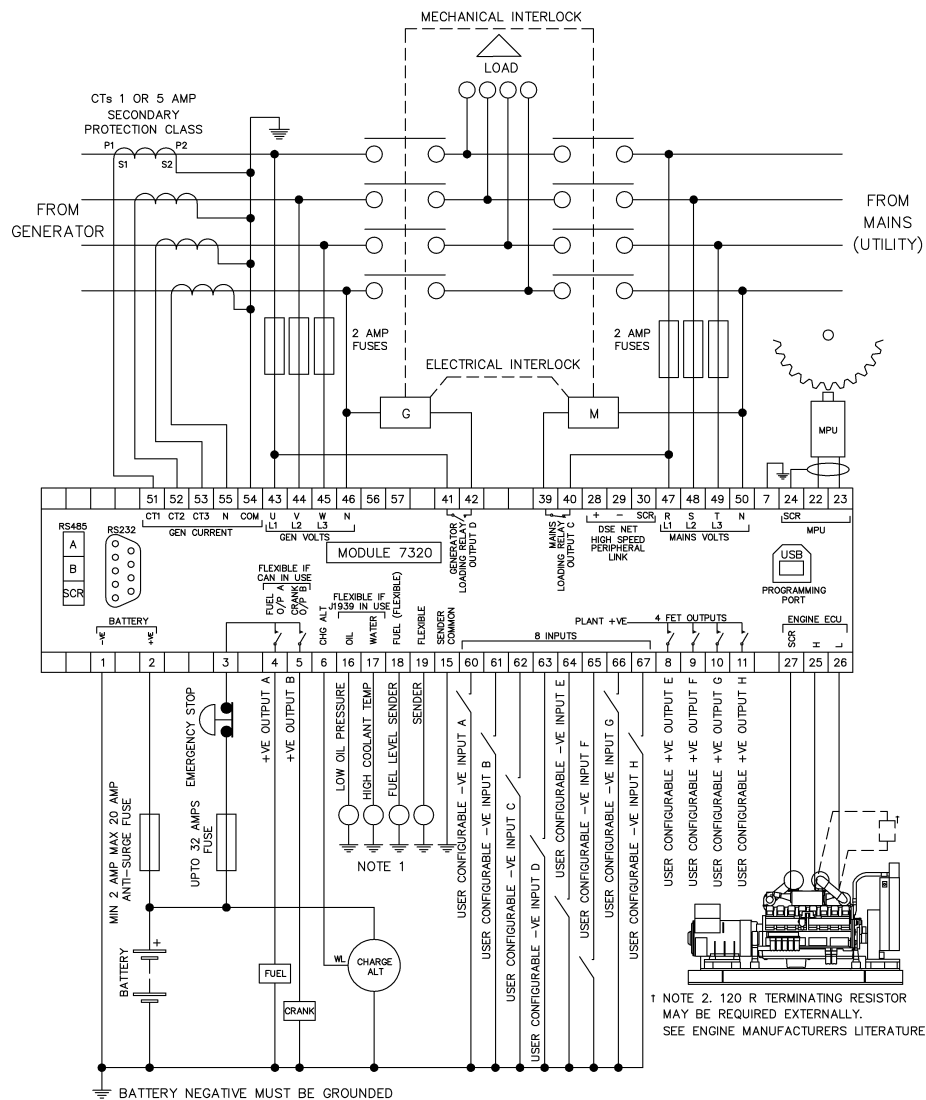


TYPICAL WIRING DIAGRAM



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

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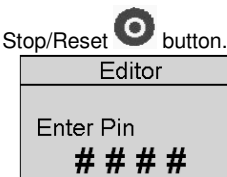


DEEP SEA ELECTRONICS 7320 INSTALLATION INSTRUCTIONS

053-029
ISSUE 11

ACCESSING THE FRONT PANEL CONFIGURATION EDITOR

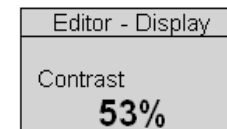
- Ensure the engine is at rest and the module is in STOP mode by pressing the Stop/Reset button.
- Press the Stop/Reset and Info buttons simultaneously.
- If a module security PIN has been set, the PIN number request is then shown :



- Press the first arrow button, the first '#' changes to '0'. Press the up or down buttons to adjust it to the correct value.
- Press the right arrow button 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 the left arrow button if you need to move back to adjust one of the previous digits.
- When the right arrow button 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 the right arrow button 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 the right arrow button 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 right arrow 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 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	0%
	Language	English
	LCD Page Timer	0h 0m 0s
	Auto Scroll Delay	0h 0m 0s
	Current Date and time	hh:mm
EDITOR	Alt Config	Default Config
ENGINE	Oil Pressure Low Shutdown	0.00bar
	Oil Pressure Low Pre Alarm	0.00bar
	Coolant Temperature High Pre Alarm	0°C
	Coolant Temperature High Shutdown	0°C
	Start Delay Off Load	0h 0m 0s
	Start Delay On Load	0h 0m 0s
	Start Delay Mains Fail	0h 0m 0s
	Start Delay Telemetry	0h 0m 0s
	Start Delay Timer	0h 0m 0s
	Pre Heat Timer	0m 0s
	Crank Duration Timer	0m 0s
	Crank Rest Timer	0m 0s
	Safety On Delay	0m 0s
	Smoke Limiting	0m 0s
	Smoke Limiting off	0m 0s
	Warm Up Timer	0m 0s
	Cool Down Timer	0h 0m 0s
	Engine Under Speed Shutdown	Active / Inactive
	Engine Under Speed Shutdown	0 rpm
	Engine Under Speed warning	Active / Inactive
	Engine Under Speed warning	0 rpm
	Engine Over Speed warning	Active / Inactive
	Engine Over Speed warning	0 rpm
	Engine Over Speed Shutdown	0 rpm
	Engine Speed Overshoot Delay	0m 0s
	Engine Speed Overshoot	0%
	Fail To Stop Delay	0m 0s
	Battery Under Voltage warning	Active / Inactive
	Battery Under voltage warning Delay	0h 0m 0s
	Battery Under Voltage warning	0 V
	Battery Over Voltage warning	Active / Inactive
	Battery Over Voltage warning Delay	0h 0m 0s
	Battery Over Voltage warning	0 V
	Charge Alternator Failure warning	Active / Inactive
	Charge Alternator Failure warning	0 V
	Charge Alternator warning Delay	0h 0m 0s
	Charge Alternator Failure Shutdown	Active / Inactive
	Charge Alternator Failure Shutdown	0.0 V
	Charge Alternator Shutdown Delay	0h 0m 0s
	Fuel Usage Alarm (Running Rate)	0% - 100% (If Fuel Sender Configured)
	Fuel Usage Alarm (Stopped Rate)	0% - 100% (If Fuel Sender Configured)
GENERATOR	Generator Under Voltage Shutdown	0 V
	Generator Under Voltage Pre Alarm	0 V
	Generator Nominal Voltage	0 V
	Generator Over Voltage Pre Alarm	0 V
	Generator Over Voltage Shutdown	0 V
	Generator Under Frequency Shutdown	0 Hz
	Generator Under Frequency Pre Alarm	0 Hz
	Generator Nominal Frequency	0 Hz
	Generator Over Frequency Pre Alarm	0 Hz
	Generator Over Frequency Shutdown	0 Hz
	Full Load Rating	0 A
	KW Overload Trip	0%
	Delayed Over Current	Active / Inactive
	Delayed Over Current	0%
	AC System	3 Phase, 4 wire
	CT Primary	0 A
	CT Secondary	0 A
	Earth CT Primary	0 A
	Earth Fault Trip	Active / Inactive
	Earth Fault Trip	0 %
	Generator transient delay	0s

Front Panel Configuration Editor (continued)

Section	Parameter as shown on display	Factory Settings
MAINS	Mains Under Voltage Trip	0 V
	Mains Over Voltage Trip	0 V
	Mains Under Frequency Trip	0 Hz
	Mains Over Frequency Trip	0 Hz
	Mains Transient Delay	0m 0s
	Return Delay	0h 0m 0s
	Mains Transfer Time	0m 0.0s
	LCD Page Timer	0h 0m 0s
	Auto Scroll Delay	0h 0m 0s
	Pre Heat Timer	0m 0s
TIMERS	Crank Duration Timer	0m 0s
	Crank Rest Timer	0m 0s
	Safety On Delay	0m 0s
	Smoke Limiting	0m 0s
	Smoke Limiting off	0m 0s
	Warm Up Timer	0h 0m 0s
	Cool Down Timer	0h 0m 0s
	Speed Overshoot Delay	0m 0s
	Fail To Stop Delay	0m 0s
	Battery Under Voltage warning Delay	0h 0m 0s
	Battery Over voltage warning Delay	0h 0m 0s
	Return Delay	0h 0m 0s
	Generator Transient Delay	0s
	Mains Transient Delay	0m 0s
	Mains Transfer Time	0.0s
SCHEDULE	Schedule	Active, Inactive
	Schedule On Load	Active, Inactive (only available when Scheduler is active)
	Schedule Period	Weekly, Monthly, (only available when Scheduler is active)
	Schedule time and Date selection (1-16)	Press  to begin editing then up or down 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)

Section	Parameter as shown on display	Factory Settings
DISPLAY	Contrast	53%
	Language	English
ENGINE	Manual Frequency Trim (Electronic engines only)	0.0Hz
	Droop Control (Electronic engines only)	Active / Inactive
	Droop Control (Compatible engine ECUs only)	0%
	DPTC Auto Regen Inhibit (Electronic engines only)	Active / Inactive
	DPTC Manual Regen (Electronic engines only)	Active / Inactive

DIMENSIONS AND MOUNTING

For flat surface mounting in a Type 1 enclosure to meet UL requirements

DIMENSIONS

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

PANEL CUTOUT:

220mm x 160mm (8.7" x 6.3")