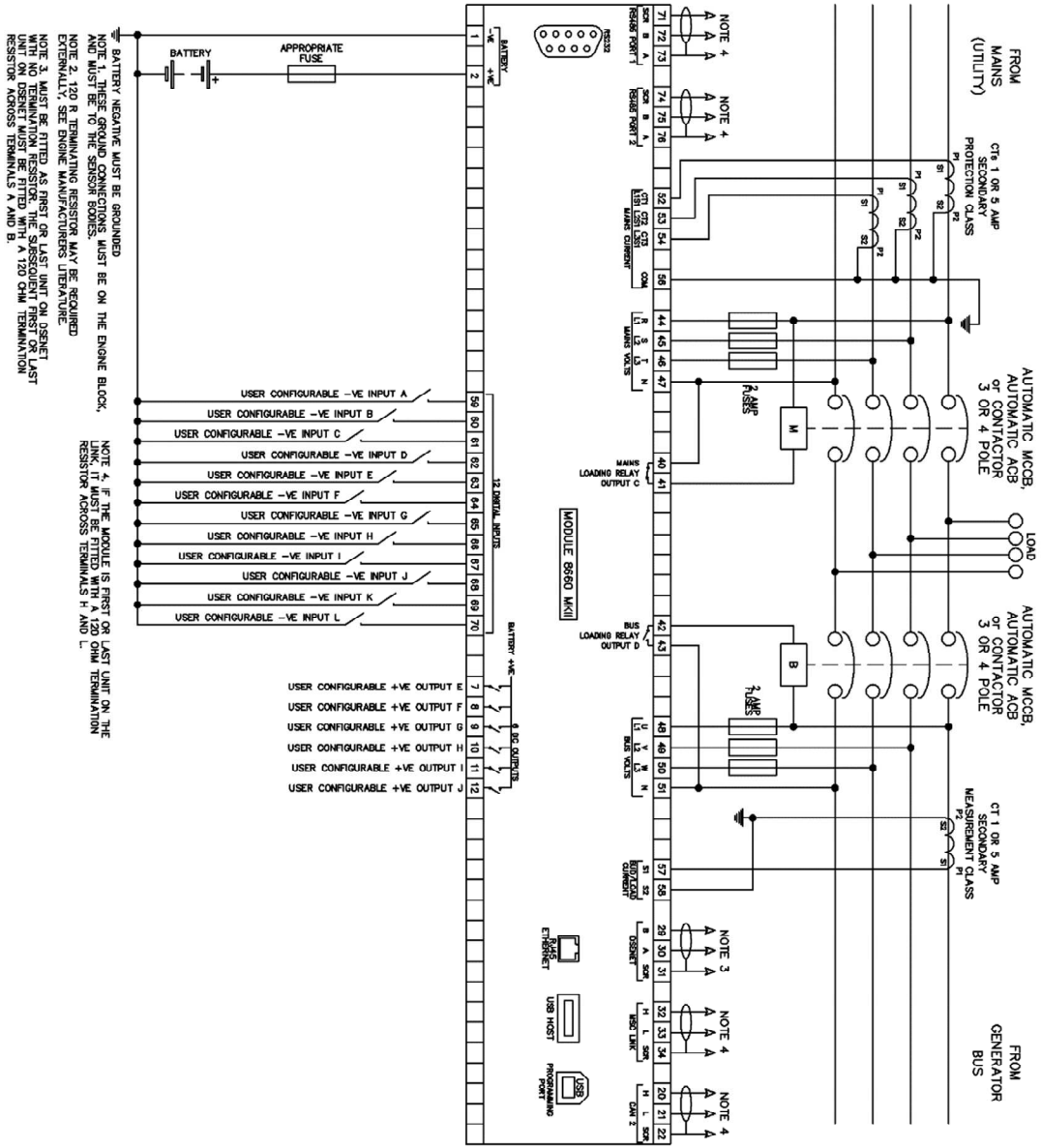
TYPICAL WIRING DIAGRAM

A larger diagram is available in the operators manual.



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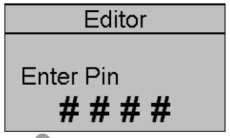
DEEP SEA ELECTRONICS

053-184
ISSUE 1

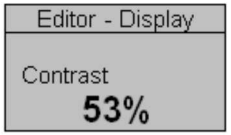
DSE8660 MKII Installation Instructions

ACCESSING THE FRONT PANEL CONFIGURATION EDITOR

- Ensure the engine is at rest and the module is in STOP mode by pressing the (O) (Stop/Reset) button.



- Press the (O) (Stop/Reset) and (Tick) buttons simultaneously.
- If a module security PIN has been set, the PIN number request is then shown:
- Press the (Tick) button, the first **'#'** changes to **'0'.** Press the (Up) or (Down) buttons to adjust it to the correct value.
- Press the (Right) button when the first digit is correctly entered. The digit previously entered now shows **'#'** for security.
- Repeat this process for the other digits of the PIN number. Press the (Left) button to move back to adjust one of the previous digits.
- When the (Tick) button is pressed after editing the final PIN digit, the PIN is checked for validity. If the number is not correct, the PIN must be re-entered.
- 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 (Right) or (Left) buttons to cycle to the section to view/change.
- Press the (Up) or (Down) buttons to select the parameter to view/change within the currently selected section.
- To edit the parameter, press the (Tick) button to enter edit mode. The parameter begins to flash to indicate editing.
- Press the (Up) or (Down) buttons to change the parameter to the required value.
- Press the (Tick) button to save the value. The parameter ceases flashing to indicate that it has been saved.
- To exit the editor and save the changes, press and hold the (Tick) button.
- To exit the editor and not save the changes, press and hold the (O) (Stop/Reset) button.

NOTE: When the editor is visible, it is 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: Comprehensive module configuration is possible using the DSE Configuration Suite PC Software, refer to DSE publication *057-257 DSE8660 MKII Configuraiton Suite PC Software Manual.*

FRONT PANEL CONFIGURATION EDITOR PARAMETERS

Section	Parameter as shown on display	Values	
Display	Contrast	0%	
	Language	English, Other.	
	Current Date and Time	*hh:mm*	
Timers	LCD Page Timer	0h 0m 0s	
	Scroll Delay	0h 0m 0s	
	Battery Under Voltage Warning Delay	0h 0m 0s	
	Battery Over Voltage Warning Delay	0h 0m 0s	
	Start Delay Off Load	0h 0m 0s	
	Start Delay On Load	0h 0m 0s	
	Start Delay Telemetry	0h 0m 0s	
	Start Delay Mains Fail	0h 0m 0s	
	Mains Transient Delay	0s	
	Return Delay	0h 0m 0s	
	Mains Transfer Time	0m 0s	
	Mains Over Zero Seq Volt Delay	0s	
	Mains Under Pos Seq Volt Delay	0s	
	Mains Over Neg Seq Volt Delay	0s	
	Mains Asymmetry High Delay	0s	
	Bus Over Zero Seq Volt Delay	0s	
	Bus Under Pos Seq Volt Delay	0s	
	Bus Over Neg Seq Volt Delay	0s	
	Bus Asymmetry High Delay	0s	
Mains	Under Voltage Trip	0 V	
	Over Voltage Trip	0 V	
	Under Frequency Trip	0 Hz	
	Over Frequency Trip	0 Hz	
	CT Primary	0 A	Power Cycle After Exit
	CT Secondary	0 A	Power Cycle After Exit
	Mains kW Rating	0 kW	
	Mains kVAr Rating	0 kvar	
	Mains Over Zero Seq Volt	Active / Inactive	
	Mains Under Pos Seq Volt	Active / Inactive	
	Mains Over Neg Seq Volt	Active / Inactive	
	Mains Asymmetry High	Active / Inactive	
	AC System	3 Phase 4 Wire	
Bus	Start Delay On Load	0h 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	
	Load Level For More Sets	0%	
	Load Level For Less Sets	0%	
	Load Ramp Rate	0%	
	Bus Over Zero Seq Volt	Active / Inactive	
	Bus Under Pos Seq Volt	Active / Inactive	
	Bus Over Neg Seq Volt	Active / Inactive	
	Bus Asymmetry High	Active / Inactive	
	Enable MSC Compatibility	Active / Inactive	
Scheduler	Scheduler	Active / Inactive	
	Schedule On Load	On Load / Off Load	
	Schedule Period	Weekly, Monthly	
	Schedule Time & Date Selection (1-16)	Press to begin editing then or when selecting the different parameters in the scheduler.	

DIMENSIONS AND MOUNTING

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

DIMENSIONS
245.0 mm x 184 mm x 51 mm (9.6” x 7.2” x 2.0”)

PANEL CUTOUT:
220mm x 160mm (8.7” x 6.3”)

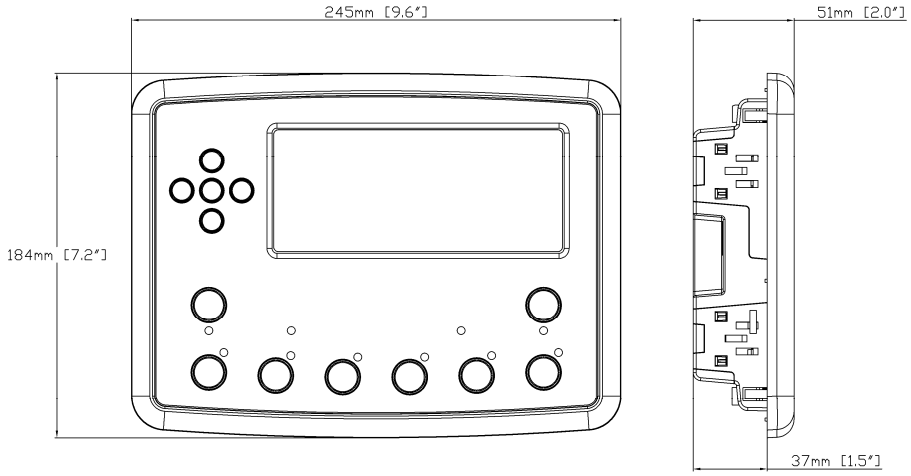
ACCESSING THE ‘RUNNING’ CONFIGURATION EDITOR

- 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 (Tick) button to enter the running editor.

EDITING A PARAMETER

- Press the (Right) or (Left) buttons to cycle to the section to view/change.
- Press the (Up) or (Down) buttons to select the parameter to view/change within the currently selected section.
- To edit the parameter, press the (Tick) button to enter edit mode. The parameter begins to flash to indicate editing.
- Press the (Up) or (Down) buttons to change the parameter to the required value.
- Press the (Tick) button to save the value. The parameter ceases flashing to indicate that it has been saved.
- To exit the editor and save the changes, press and hold the (Tick) button.

Running Editor

Section	Parameter as shown on display	Values
Display	Contrast	0 %
	Language	English, Other
	Load Parallel Power	0 %
	Load Power Factor	0 %
	Commissioning Screens	Active / Inactive
	Voltage Adjust (manual mode only bus available and bus breaker open)	0 %
	Frequency Adjust (manual mode only bus available and bus breaker open)	0 %
	Auxiliary Mains Fail Out Of Sync Reset	Active / Inactive

DIMENSIONS