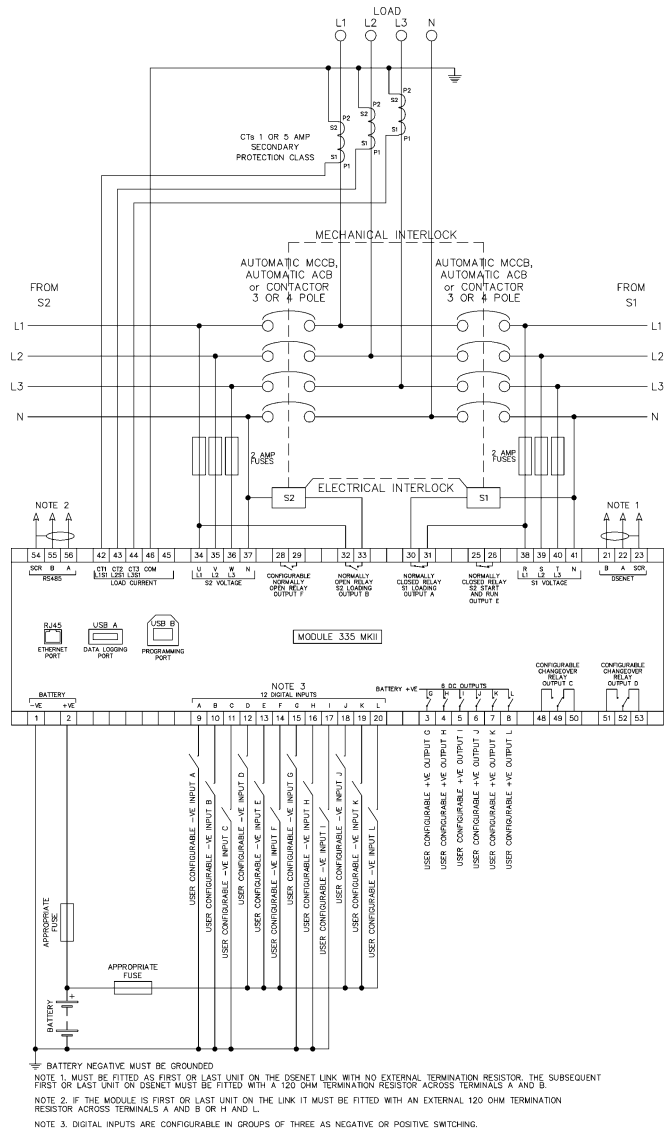


TYPICAL WIRING DIAGRAM

NOTE: A larger version of the Typical Wiring Diagram is available in the product's operator manual, refer to DSE Publication: 057-368 DSE335 MKII Operator Manual available from www.deepseaelectronics.com for more information.



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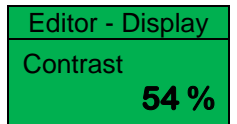
DEEP SEA ELECTRONICS

DSE335 MKII Installation Instructions

053-272
 ISSUE 1

ACCESSING THE FRONT PANEL EDITOR

- Ensure the engine is at rest and the module by pressing the **Start Inhibit Mode** button.
- Press the **Start Inhibit Mode** and **Tick** buttons together to enter the main configuration editor.
- If a module security PIN has been set, the PIN 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 as '#' 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 **Left** or **Right** 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 that value is being edited.
- 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.
- Press and hold the **Tick** button to exit the editor and save the changes.
- Press and hold the **Start Inhibit Mode** button to exit the editor without saving changes.

NOTE: The editor automatically exits 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 057-367 DSE335 MKII Configuration Suite PC Software Manual available from www.deepseaelectronics.com.

MAIN CONFIGURATION EDITOR PARAMETERS

Page	Parameter	Values	
Display	LCD Contrast	0%	
	Language	English	
	LCD Page Timer	hh:mm:ss	
	Scroll Delay	hh:mm:ss	
	Date and Time	dd-mm-yyyy, hh:mm:ss	
S1	S1 Option	Generator, Mains	
	Immediate S1 Dropout	Inactive, Active	
	Under Voltage Trip	0 V	
	Over Voltage Trip	0 V	
	Under Frequency Trip	0 Hz	
	Over Frequency Trip	0 Hz	
	Over Frequency Trip	0 Hz	
S2	S2 Option	Generator, Mains	
	Immediate S2 Dropout	Inactive, Active	
	Under Voltage Trip (Generator Option)	0 V	
	Over Voltage Trip (Generator Option)	0 V	
	Under Frequency Trip (Generator Option)	0.0 Hz	
	Over Frequency Trip (Generator Option)	0.0 Hz	
	Under Voltage Trip (Mains Option)	0 V	
	Over Voltage Trip (Mains Option)	0 V	
	Under Frequency Trip (Mains Option)	0.0 Hz	
	Over Frequency Trip (Mains Option)	0.0 Hz	
	Timers	S1 Transient Delay	mm:ss
		S2 Start Delay	hh:mm:ss
		S2 Warming Up Time	hh:mm:ss
S2 Fail Delay		mm:ss	
Elevator Delay		mm:ss	
Non-sync Transfer Time		mm:ss.s	
Check-Sync Transfer time		mm:ss.s	
S2 Return Delay		hh:mm:ss	
S2 Cooling Time		hh:mm:ss	
S2 Fail to Stop Enable		Inactive, Active	
S2 Fail to Stop Delay		mm:ss	
S2 Transient Delay		s.s	
Scheduler		Scheduler Enable	Inactive, Active
		Bank 1 Period	Weekly, Monthly
		Bank 2 Period	Weekly, Monthly
	Bank 1 Events Configuration	See Overleaf	
	Bank 2 Events Configuration	See Overleaf	

REQUIREMENTS FOR UL

Description	Specification
Screw Terminal Tightening Torque	<ul style="list-style-type: none"> 4.5 lb-in (0.5 Nm)
Conductors	<ul style="list-style-type: none"> Terminals suitable for connection of conductor size 12 AWG to 26 AWG (0.5 mm² to 2.0 mm²). Conductor protection must be provided in accordance with NFPA 70, Article 240 Low voltage circuits (35 V or less) must be supplied from the engine starting battery or an isolated secondary circuit. The communication, sensor, and/or battery derived circuit conductors shall be separated and secured to maintain at least ¼ " (6 mm) separation from the generator and mains connected circuit conductors unless all conductors are rated 600 V or greater.
Current Inputs	<ul style="list-style-type: none"> Must be connected through UL Listed or Recognized isolating current transformers with the secondary rating of 5 A maximum.
Communication Circuits	<ul style="list-style-type: none"> Must be connected to communication circuits of UL Listed equipment
Mounting	<ul style="list-style-type: none"> Suitable for use in type 1 Enclosure Type rating with surrounding air temperature -22 °F to +122 °F (-30 °C to +50 °C) Suitable for pollution degree 3 environments when voltage sensing inputs do not exceed 300 V. When used to monitor voltages over 300 V, a device is to be installed in an unventilated or filtered ventilation enclosure to maintain a pollution degree 2 environment.
Max. Operating Temperature	<ul style="list-style-type: none"> 158 °F (70 °C)
VTs	<ul style="list-style-type: none"> When using voltage transformers (VTs) they must be fitted to both S1 and S2 voltage sensing, have the same ratio from the primary to secondary windings, and a 0° phase offset between the primary and secondary windings.

DIMENSIONS AND MOUNTING

Parameter	Specification
Panel Cutout	220 mm x 160 mm (8.66 " x 6.30 ")
Overall Size	245.0 mm x 183.5 mm x 50.5 mm (9.65 " x 7.23 " x 1.99 ")
Case Material	Polycarbonate
Keypad Material	Silicone
Protection Category	IP65 panel mounted with gasket. IP42 panel mounted with no gasket.
Weight	0.70 kg (1.54 lb)
Mounting Type	Panel Mounting. Base mounted to a vertical surface with connection terminals to the rear.
Fixing Clip Torque	0.2 Nm

