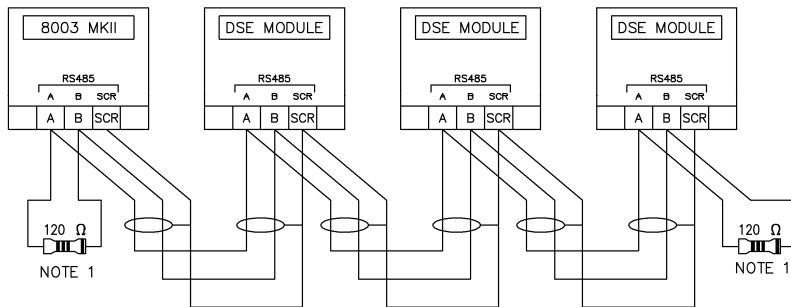
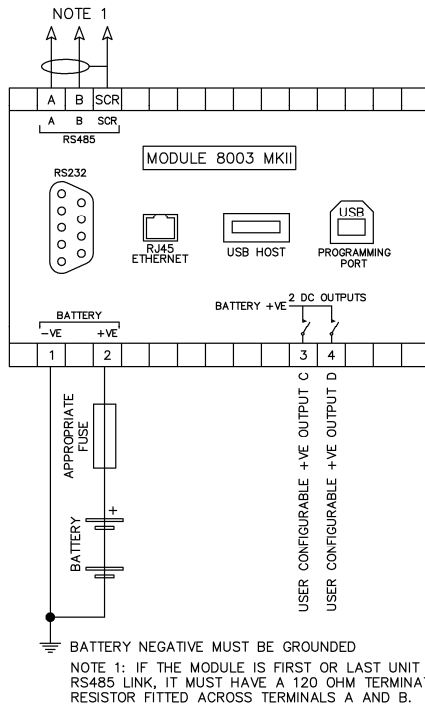


TYPICAL WIRING DIAGRAM

NOTE: A larger version of the Typical Wiring Diagram is available in the product's operator manual, refer to DSE Publication: 057-276 *DSE8003 MKII Operator Manual* available from www.deepseapl.com for more information.



Deep Sea Electronics Plc.

Tel: +44 (0)1723 890099
 Fax: +44 (0)1723 893303
 Email: support@deepseapl.com
 Web: www.deepseapl.com

Deep Sea Electronics Inc.

Tel: +1 (815) 316 8706
 Fax: +1 (815) 316 8708
 Email: support@deepseausa.com
 Web: www.deepseausa.com



DEEP SEA ELECTRONICS DSE8003 MKII INSTALLATION INSTRUCTIONS

ACCESSING THE 'RUNNING' CONFIGURATION EDITOR

- The 'Running' Configuration Editor for the DSE8003 MKII or connected modules is accessible without stopping the generators. All protections remain active whilst the 'Running' Configuration Editor is accessed.
- Press the (Up) or (Down) button or press the screen to select which DSE module's 'Running' Configuration Editor is to be entered. A green border appears to indicate that module has been selected.
- Press and hold the (Tick) button or press the (Config) icon on the top right of the screen to enter the 'Running' Configuration Editor of the selected DSE module. If no DSE module is selected, the 'Running' Configuration Editor for the DSE8003 MKII is entered.
- Once entered, press the (Left) or (Right) button to change between the DSE8003 MKII or connected module's 'Running' Configuration Editor.

EDITING A PARAMETER

- Enter the 'running' configuration editor as described above.
- Press the (Up) or (Down) buttons to select the section to view/change. The current selected section/parameter highlights in green.
- Press the appropriate combination of navigation buttons to select to required subsection or parameter to view/change.
- To edit the parameter, press the (Tick) button to enter the edit mode. The parameter is no longer highlighted green 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 highlights green to indicate that it has been saved.
- To exit the editor and save the changes, press and hold the (Tick) button.

NOTE: Configuration of the *Layout File* used for *Multiset Mode* is achieved using the DSE SCADA Suite PC software and then uploaded to the DSE8003 MKII using a USB memory device. For more information, refer to DSE publication 057-128 *DSE8005 SCADA Suite PC Software Manual* available from www.deepseapl.com.

DSE8003 MKII 'RUNNING' CONFIGURATION EDITOR (SYSTEM SECTION)

Section	Sub Section	Parameter	Value
Language			
Language		Language	English
Display			
Display	Units	Pressure	kPA / bar / psi
		Temperature	°C / °F
		Volume	Litres / Imperial Gallons / US Gallons
		Display Options	Graphics
		Commissioning Screen	Enable / Disable
		Bus Breaker Present	Enable / Disable
		Tier 4 Screen	Enable / Disable
	Backlight	Backlight Level	0 %
	Alarms	External Alarm Alert	Enable / Disable
	Communications	Mode	Config Source
Slave Setup		Channel	RS232 / RS485 / Ethernet
		Slave ID	0
RS232 / RS485		Baud Rate	9600 to 115200
Slave IP Setup		Slave Port	0
		Slave IP	000.000.000.000
Host IP Setup		Host Port	0
		DHCP Enable	Enable / Disable
		Host IP	000.000.000.000
		Subnet Mask	000.000.000.000
		Gateway IP	000.000.000.000
		DNS IP	000.000.000.000
Advanced		Inactivity Timeout	0 s
		Packet Timeout	0 ms
		Multiset Control	000.000.000.000
	MAC Address		
Sounder	Multiset Sounder	Enable / Disable	
Outputs	Output C	Output Source	Communications Link Lost / Emergency Stop / Common Warning / Common Shutdown / Common Electrical Trip / Common Alarm / Combined Maintenance Alarm / Audible Alarm / Not Used
	Output D		
Time	Module Time	hh:mm:ss	
	Module Date	MM/DD/YYYY	
	Date Format	YYYY/MM/DD / MM/DD/YYYY / DD/MM/YYYY	
	Time Synchronise	Enable / Disable	
Firmware Upgrade	Version	Select Version	
Layout Update	Files	Select File	

CONNECTED DSE MODULE 'RUNNING' CONFIGURATION EDITOR (SLAVE SECTION)

NOTE: The available parameters in the 'Running' Configuration Editor change depending upon the connected DSE module. For more information, refer to DSE module's installation instructions or operator manual available from www.deepseapl.com.


REQUIREMENTS FOR UL CERTIFICATION

Specification	Description
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 13 AWG to 20 AWG (0.5 mm² to 2.5 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 1/4" (6 mm) separation from the generator and mains connected circuit conductors unless all conductors are rated 600 V or greater.
Communication Circuits	<ul style="list-style-type: none"> Must be connected to communication circuits of UL Listed equipment
DC Output Pilot Duty	<ul style="list-style-type: none"> 0.5 A
Mounting	<ul style="list-style-type: none"> Suitable for flat surface mounting 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
Operating Temperature	<ul style="list-style-type: none"> -22 °F to +122 °F (-30 °C to +50 °C)

CONFIGURATION FOR MULTISET MODE (GRAPHICAL USER INTERFACE SETUP)

NOTE: Configuration of the *Layout File* used for *Multiset Mode* is achieved using the DSE SCADA Suite software and then uploaded to the DSE8003 MKII using a USB memory device. For more information, refer to DSE publication 057-128 *DSE8005 SCADA Suite PC Software Manual* available from www.deepseapl.com.

The *Layout File* is configured using the DSE8005 SCADA Suite PC Software in conjunction with a USB storage device. To configure and install the *Layout File*:

- Use the DSE8005 SCADA Suite PC Software to design the graphical user interface for the Multiset Mode.
- Save the file to the root directory of a USB storage device with the filename *layout.xml*.
- Insert the USB storage device into the USB host socket on the rear of the DSE8003 MKII.
- Access the DSE8003 MKII 'Running' Configuration Editor as documented overleaf.
- Navigate to the *Layout Update* section in 'Running' Configuration Editor and select the layout file by pressing the  (Tick) button when the file is highlighted.
- Once the file is selected, the display prompts a power cycle.
- Turn the DSE8003 MKII off and then on, the configuration file is loaded automatically.

DIMENSIONS AND MOUNTING

Parameter	Specification
Dimensions	317 mm X 169 mm X 43 mm (12.47" X 6.65" X 1.69")
Panel Cutout	282 mm X 136 mm (11.10" X 5.35")
Weight	1.0 kg (2.20 lb)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +80 °C (-40 °F to +176 °F)

