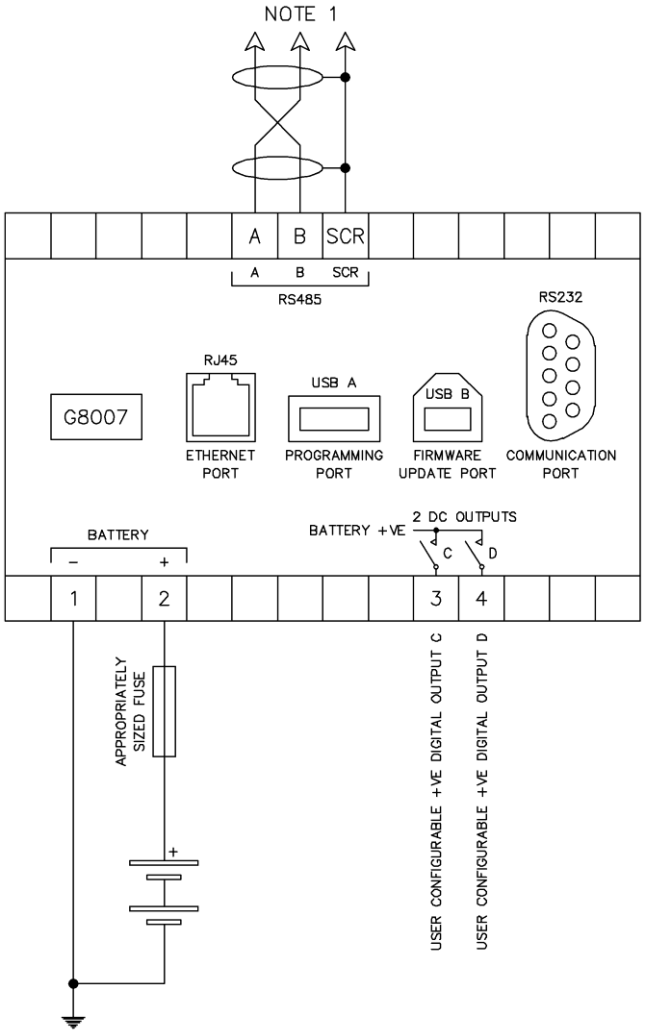
TYPICAL WIRING DIAGRAM

NOTE: A larger version of the Typical Wiring Diagram is available in the product's operator manual, refer to DSE Publication: *057-377 DSEG8700 Operator Manual* available from www.deepseaelectronics.com for more information.



NOTE 1: IF THE MODULE IS THE FIRST OR LAST MODULE ON THE LINK, A 120 Ω TERMINATION RESISTOR MUST MUST BE FITTED ACROSS THE A AND B, OR H AND L TERMINALS.

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DSEG8700 Installation Instructions

NOTE: Parameters located under the System entry apply to the DSEG8007 display. Parameters located under a module entry, such as G8600, apply to the connected DSEG8xxx module represented by that entry.

ACCESSING THE DSEG8007 RUNNING CONFIGURATION EDITOR

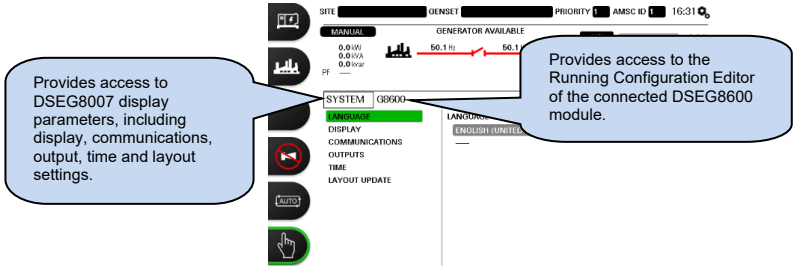
The DSEG8007 Running Configuration Editor allows adjustment of DSEG8007 settings and provides access to configuration parameters for connected DSEG8xxx modules directly from the front panel.

To enter the Running Configuration Editor:

- Press the Settings icon in the top-right corner of the display, or
- Press and hold the ***Tick*** button.

The Running Configuration Editor can be accessed when the DSEG8007 is operating in either *Layout File* mode or *Internal Config* mode.

When the Running Configuration Editor is active, the instrumentation area of the display is replaced with the editor screen, as shown below.



EDITING A PARAMETER

To navigate and edit parameters:

- Press the ***Up or Down*** buttons to select the section you wish to view/change.
- Press the ***Right or Left*** buttons to select which parameter to view/change within the currently selected section.
- To edit the parameter, ***Tick*** 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 ***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.

MAIN RUNNING EDITOR PARAMETERS

NOTE: Depending upon module configuration, some parameters in the Main and Running Editors may not be available. For a full list of parameters refer to DSE publication *057-377 DSEG8700 Operator Manual* available from www.deepseaelectronics.com

Section	Sub Section	Parameter	Value
Language	Language	Language	English
Display	Screen Selection	Home Selection	Home / Engine / Generator / Mains / I/O / Status
		Commissioning Screen	Enable / Disable
	Display Options	Graphics	Bars / Meters
		Bar Selection	DEF Level / Coolant Temp
		Page Timer	0 h 0 m 0 s
	Units	Pressure	kPa / bar / psi
		Temperature	°C / °F
		Volume	Litres / Imperial Gal / US Gal
	Backlight	Backlight Level	0 %
	Alarms	External Alarm Alert	Enable / Disable
Communications	Mode	Config Source	Layout File / Internal Config
	Device Setup	Channel	RS232 / RS485 / Ethernet
		Server ID	Server ID
	RS232 /RS485		Baud Rate
	Device IP Setup		Device Port / Device IP
	Host Port		Host Port
	Host IP Setup	DHCP Enable	Enable / Disable
		Host IP	
		Subnet Mask	
		Gateway IP	
		DNS IP	
	Advanced	Inactivity Timeout	0 h 0 m 0 s
		Packet Timeout	ms
		Multi set Control	Enable / Disable
		MAC Address	
	Sounder	Multi Set 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	Output Source	Communications Link Lost
			Emergency Stop
			Common Warning
			Common Shutdown
			Common Electrical Trip
			Common Alarm
			Combined Maintenance Alarm
			Audible Alarm
			Not Used
Time	Module Time		HH:MM:SS
	Module Date		MM/DD/YYYY or DD/MM/YYYY
	Date Format		ISO 8601 “YYY-MM-DD”
			Middle-endian “MM/DD/YYYY”
			Little-endian “DD/MM/YYYY”
	Time Synchronise		Enable / Disable
Layout Update	Files		Available Files

POWER SUPPLY REQUIREMENTS

Description	Specification
Minimum Supply Voltage	5 V continuous
Cranking Dropouts	Able to survive 0 V for 50 ms providing the supply was at least 10 V before the dropout and recovers to 5 V afterwards.
Maximum Supply Voltage	35 V continuous (60 V protection)
Reverse Polarity Protection	-35 V continuous
Maximum Operating/Standby Current	300 mA at 12 V 150 mA at 24 V

REQUIREMENTS FOR UL CERTIFICATION

Specifications	Description
Screw Terminal Tightening Torque	4.5 lb-in (0.5 Nm)
Conductors	• 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 ¼” (6 mm) separation from the generator and mains connected circuit conductors unless all conductors are rated 600 V or greater.
Communication Circuits	Must be connected to communication circuits of UL Listed equipment
DC Output Pilot Duty	0.5 A
Mounting	• Suitable for flat surface mounting in Type 1 Enclosure Type rating with surrounding air temperature -22 ºF to +122 ºF (-30 ºC to +50 ºC) • Suitable for pollution degree 3 environments
Operating Temperature	• -22 ºF to +122 ºF (-30 ºC to +50 ºC)

DIMENSIONS AND MOUNTING

Parameter	Specification
Panel Cutout	282 mm x 136 mm (11.10 ” x 5.35 ”)
Overall Size	316.8 mm x 168.8 mm x 42.8 mm (12.47 ” x 6.65 ” x 1.69 “)
Case Material	Polycarbonate
Keypad Material	Silicone
Protection Category	IP
Weight	1 kg (2.2 lb)
Mounting Type	Panel Mounting. Base mounted to a vertical surface with connection terminals to the rear.
Fixing Clip Torque	0.2 Nm

