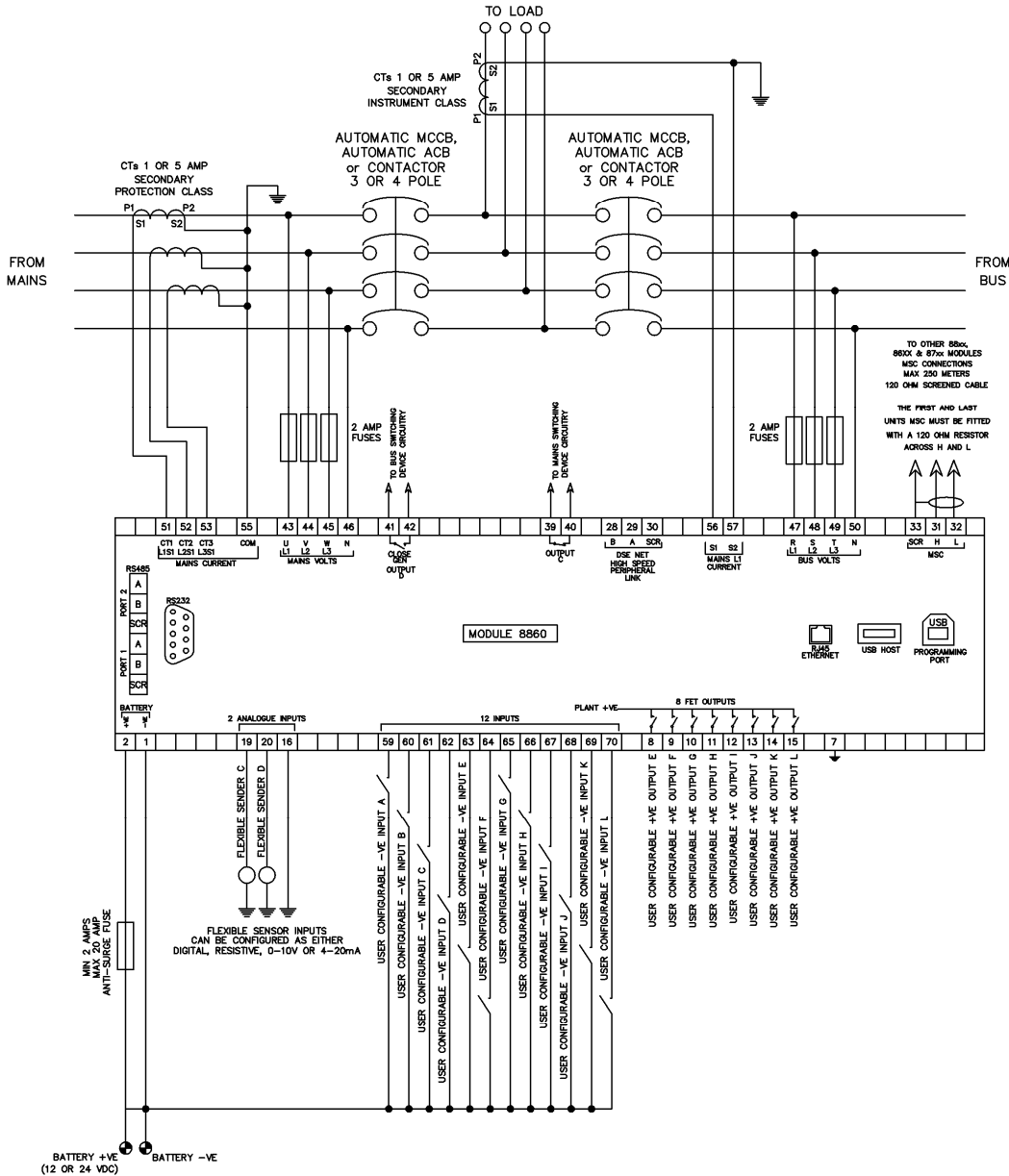


TYPICAL WIRING DIAGRAM

A larger version of the diagram is available in the products operators manual. DSE Part No: 057-173



DIMENSIONS AND MOUNTING

For flat surface mounting in a Type 1 enclosure

DIMENSIONS

245 mm x 184 mm x 50 mm (9.6" x 7.2" x 2.0")

PANEL CUTOUT

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



ACCESSING THE MAIN FRONT PANEL CONFIGURATION EDITOR

- Ensure the generator(s) is at rest and the module is in STOP mode by pressing the Stop/Reset button.
- Press and hold the Stop button and Tick button together.
- If a module security PIN has been set, the PIN number request is then shown.
- Press , the first '#' changes to '0'. Press (up) or (down) button to adjust it to the correct value.
- Press (right) button when the first digit is correctly entered. The digit you have just entered will now show '#' for security.
- The other digits of the PIN number. You can press (left) button if you need to move back to adjust one of the previous digits.
- When 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 (up), (down), (left) and (right) to cycle to the section you wish to view/change.
- Then press (up) or (down) to cycle to the parameter within the section you have chosen.
- To edit the parameter, press to enter edit mode. The parameter is highlighted blue 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 or button.

NOTE: The PIN number is not set by DSE when the module leaves the factory. If the module has a PIN code set, this has been implemented by your generator supplier who should be contacted if you require the code. If the code has been 'lost' or 'forgotten', the module must be returned to the DSE factory to have the module's code removed. A charge will be made for this procedure. The PIN number is automatically reset when the editor is exited (manually or automatically) to ensure security.

NOTE: The editor automatically exits after 5 minutes of inactivity to ensure security.

ADJUSTABLE PARAMETERS (Front Panel Configuration Editor)

Section	Parameter	Detail of Parameter	Parameter Action	Values
Timers	Start Timers	Start Delay	Remote Start Off Load	s
			Remote Start On Load	s
			Telemetry Start	s
			Mains Transient Delay	s
	Load/Stopping Timers	Load Timers	Tran Time/Load Delay	s
	Stopping Timers	Return Delay	s	
	Display	Display	Page Timer	mm: ss
Mains	Mains Options	AC System	3 Phase, 4 wire Delta	
			2 Phase, 3 Wire L1-L3	
			2 Phase, 3 Wire L1-L2	
			3 Phase, 3 Wire	
			Single Phase, 2 Wire	
			3 Phase, 4 Wire	
	Mains Current	Current Options	CT Primary (L1,L2,L3,N)	0A
			CT Secondary 5Amp / 1 Amp	5 / 1 Amp
	Mains Voltage	Under Voltage Trip	Trip	0V
			Nominal Voltage	Nominal Voltage
Over Voltage Trip			Trip	0V
Mains Frequency	Under Frequency Trip	Trip	0.0Hz	
		Nominal Frequency	Nominal Frequency	0.0Hz
		Over Frequency Trip	Trip	0.0Hz
Bus	Ramp	Ramp Speed	Ramp Speed	0.0 %/s
	Load Demand	Load Demand	Calling For More Sets	0 %
			Calling For Less Sets	0 %
	Running	Running	Load Parallel Power	0%
				0kVAr
			Load Power Factor	0%
				0.00pf
			0kVAr	
System	System options	Insufficient Capacity	Action	Warning / None / Indication / Electrical Trip
			Delay	s
	Plant Battery	Under Voltage Alarms	Under Volts Enable	Enabled / Disabled
			Under Volts Delay	mm:ss
			Under Volts Pre-Alarm	0.0v
		Over Voltage Alarms	Over Volts Enable	Enabled / Disabled
			Over volts Delay	mm:ss
			Over Volts Pre-Alarm	0.0v

ADJUSTABLE PARAMETERS (Maintenance Editor)

Description	Action	Activation
USB Stick Removal	Request	Press
Clear AMF Alarm	Clear	
Min / Max Session Reset	Request	
Cancel Telemetry	Request	
Decoupling Test Mode	Request	Button
Clear Mains Decouple Alarm	Request	

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ACCESSING AND EDIT THE 'MAINTENANCE' CONFIGURATION EDITOR

- The 'Maintenance' Editor can be entered while the generator(s) is running. All protections remain active if the generator(s) is running while the Maintenance Editor is entered.
- Press the (up) and (down) buttons together and hold to enter the 'Running' Editor.
- Press the (up) or (down) buttons to cycle to the section you wish to view / change.
- To change the action press (right) button to enter edit mode. The action is highlighted in blue to indicate selection.
- Press the (up) button to activate the action. The action will then change to show it has been activated.
- To change another action press (left) button to exit edit mode. The action is no longer highlighted in blue to indicate selection.
- Press the Tick button to exit the "Maintenance Configuration Editor".

ACCESSING AND EDIT THE 'RUNNING' CONFIGURATION EDITOR

- The 'Running' Editor can be entered while the generator(s) is running. All protections remain active if the generator(s) is running while the 'Running' Editor is entered.
- Press and hold the button to enter the 'Running' Editor.
- Press the (up), (down), (left) and (right) to cycle to the section you wish to view/change.
- Then press (up) or (down) to cycle to the parameter within the section you have chosen.
- To edit the parameter, press to enter edit mode. The parameter is highlighted blue 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.
- Press and hold Tick button to exit the "Running Configuration Editor".

ADJUSTABLE PARAMETERS (Running Editor)

Section	Parameter	Detail Of Parameter	Values
Language	Language		Other
			English (United Kingdom)
Bus	Running	Load Power Factor	0%
			0.00pf
		0kVAr	
	Load Parallel Power	0%	
		0kW	
Display	Options	Decoupling Test Mode	Disabled / Enabled
	Voltage	Voltage Adjust	0%
	Frequency	Frequency Adjust	0%
	Press/ Temp Units	Pressure	kPA / PSI / Bar
		Temperature	Deg F / Deg C
	Volume Units	Volume	Litre / Gallons US / Gallons (UK)
	Display	LCD Backlight	0
	AC Graphics	AC Min / Max Enable	Enabled / Disabled
		AC Meter Enable	Enabled / Disabled
		THD Screen Enable	Enabled / Disabled
I/O	Multi Meter Mode	Enabled / Disabled	
Alarm	Alarm Alert Box	Enabled / Disabled	
Summary	Summary Area Graphic	Bars / Connectors	
Home	Commissioning Screens	Enabled / Disabled	
Time	Module Time		hh:mm:ss
	Module Date		DD/ MM/ YYYY
	Date Format		MM/ DD/ YYYY OR DD/ MM/ YYYY