TYPICAL WIRING DIAGRAM

A larger diagram is available in the operators manual. Part No 057-163



DEEP SEA ELECTRONICS 053-137 8810 INSTALLATION INSTRUCTIONS ISSUE 1

Accessing the Front Panel Configuration Editor.

- Ensure the engine is at rest and the module is in STOP mode by pressing the Stop/Reset button.
- Press and hold the the ${f O}$ Stop button and ${ioldsymbol O}$ 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) to adjust it to the correct value.
- Press V (right) 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) 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.
- To edit the parameter, press 🕑 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 🕑 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 **O** or **O** button.

EDITING A PARAMETER

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- Enter the editor as described above.
- Press the Q(up) Q(down) and Q(right) to cycle to the section you wish to view/change.
 Then press Q(up) or Q (down) to cycle to the parameter within the section you have chosen.
- To edit the parameter, press 🕑 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 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 **O** or **O** button.
- A NOTE: When the editor is visible, it is automatically exited after 5 minutes of inactivity to ensure security.
- A NOTE: The PIN number is automatically reset when the editor is exited (manually or automatically) to ensure security.
- A NOTE: More comprehensive module configuration is possible using the PC configuration software. Please contact us for further details
- A NOTE: The contents of the tables overleaf may differ depending on the actual module configuration.

ADJUSTABLE PARAMETERS - Front Panel Configuration Editor.

Section	Parameter	Detail of Parameter	Parameter Action	Values
	Oil Pressure	Low Oil Pressure	Shutdown Trip	0.00 Bar
			Warning Trip	0.00 Bar
	Coolant Temperature	High Coolant Alarms	Pre-Alarm Trip	00 Deg C
Inputs	obbiant remperature	riigh ooolant / taims	Electrical Trip	00 Deg C
inputo			Shutdown Trip	00 Deg C
		Low Coolant Alarms	Bre Alarm Trip	00 Deg C
	Evol Loval	Eugl Lloogo Alorm	Pupping Boto	Up / down
	Fuel Level	Fuel Usage Alarm	Running Rate	Up / down
	0	Otest Date	Stopped Rate	Up / down
	Start Timers	Start Delay	Remote Start Off Load	S
			Remote start On Load	s
			Telemetry Start	S
		Start Timers	Preheat	S
			Cranking Time	S
			Crank Rest Time	S
			Smoke Limit	S
Timore			Smoke Limit Off	s
Timer 5			Safety on Delay	S
			Warming up Timer	S
	Stopping Timers	Stopping Timers	Return Delay	S
			Cooling Time	mm:ss
			Fail To Stop Delay	05
			Gen Transient Delay	05
	Display		Page Timer	mm: ss
	Display		Scroll Timor	c .
	Generator Options	AC System		3 Phase 4 wire Delta
	Generator Options	AG Gystem		2 Phase 3 Wire L1-L3
	1	1		2 Phase 3 Wire L1-L3
	1	1		2 Flidse, 3 Wire
	1	1		Simple Dhase, Swife
	1	1		Single Phase, 2 Wire
	1	Output Dari	ION Dates	3 Phase, 4 Wire
	1	Generator Rating	KW Rating	UKW
	-		kVAr Rating	U kVAr
	Generator Current	Current Options	CT Primary (L1,L2,L3,N)	OA
			CT Secondary 5Amp / 1 Amp	5 / 1 Amp
			Full Load Rating	0A
		Earth Fault	Earth CT Primary	0A
			Trip Action	Enabled / Disabled
			Trip Percentage	0%
		Over Current Alarm	IDMT Alarm	Enabled / Disabled
			Trip	0% 0.0A
		Short Circuit	Trip	0% 0.0A
	Generator Voltage	Linder Voltage Alarms	Alarm Trip	0%
Generator		Under Voltage Alainis	Pre-Alarm Trip	04
		Nominal Voltage	Nominal Voltage	01/
			Norminal Voltage	01
		Over voltage Alarms	Pre-alarm unp	00
	Concentra Francisco a	Linder Freewoork, Alerene	Alam Trip	0.011-
	Generator Frequency	Under Frequency Alarms	Alarm Trip	0.0HZ
		Neminal Francisco	Neminal Frequency	0.0112
		Nominal Frequency	Normal Frequency	0.0Hz
			Alarm Trip	0.0Hz
	Consister Bower	Overland Protection	Quarland Protection Trip	0.012
	Generator Fower	Overload Protection	Diverse Rever Trip (Delay)	
	Current receiving a	Land Control	Reverse Fower Trip (Delay)	KVV (0.0 S)
	Synchronising	Load Control	Reactive Load Mode	KVAI Fixed Export
				kvar Snare
				None
	1	Ramp Speed	Ramp Speed	0.0 %/s
	1	Load Demand	Calling For More Sets	0%
	1		Calling For Less Sets	0%
	1	Insufficient Capacity	Action	Warning / Shutdown / None
				/ Indication / Electrical Trip
	Engine Options	Overspeed Options Droop	Overspeed Overshoot	0%
			Overshoot Delay	S
			Enable	Enabled / Disabled
			Percent	0.0%
	Speed Settings	Under Speed	Alarm Enable	Enabled / Disabled
			Alarm Trip	0000 RPM
		1	Warning Enable	Enabled / Disabled
		1	Warniing Trip	0000 RPM
		Over Speed	Alarm Trip	0000 RPM
			Pre-Alarm Enable	Enabled / Disabled
			Pre-Alarm Trip	0000 RPM
Engine	Plant Battery	Under Voltage Alarms	Linder Volts Enable	Enabled / Disabled
			Linder Volts Delay	mmiss
			Under Volto Bra Alarm	0.04
		Over Maltage Aleres	Order Volts Pre-Alarm	U.UV
		Over Voltage Alarms	Over Volts Enable	Enabled / Disabled
			Over volts Delay	mm:ss
			Over Volts Pre-Alarm	0.0v
	1	Charge Alt Alarm	Alarm Enable	Enabled / Disabled
			Alarm Trip	0.0v
	1		Alarm Delay	s
	1	Charge Alt Pre-Alarm	Pre-Alarm Énable	Enabled / Disabled
		3	Pre-Alarm Trip	0.0v
			Pre-Alarm Trip Pre-Alarm Delay	0.0v
	Default Configuration		Pre-Alarm Trip Pre-Alarm Delay	0.0v S Alternative Configuration 2
	Default Configuration		Pre-Alarm Trip Pre-Alarm Delay	0.0v s Alternative Configuration 3
Alt. Config Options	Default Configuration		Pre-Alarm Trip Pre-Alarm Delay	0.0v s Alternative Configuration 3 Alternative Configuration 2 Alternative Configuration 1

ACCESSING THE "MAINTENANCE" EDITOR



Press (Up) Or(down) (right) to cycle to the Parameter you wish to action.

	Description	Action	Activati on	
	USB Stick Removal	Request		
e	Override Starting Alarms	Request	Press	
	Clear AMF Alarm	Clear		
	Manual Fuel Pump	Inactive		
	Min / Max Session Reset	Request		
	Cancel Telemetry	Request	Button	

To exit the editor at any time, press and hold the \checkmark Tick button.

ACCESSING THE 'RUNNING' CONFIGURATION EDITOR

- The 'running'or 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 button to enter the running editor.

ADJUSTABLE PARAMETERS (Running Configuration Editor) Enter the editor as described above.

- Press the (up) or (down) buttons to cycle to the section you wish to view / change.
- To Edit the parameter press the 🖉 Tick button to enter edit mode. The parameter begins to flash to indicate that you are editing the value.
- Press the O (up) or O (down) buttons to change the parameter to the required value.
- Press the \checkmark Tick button 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".

Section	Parameter	Detail Of Parameter	Values
Longuaga	Language		other
Language			English (United Kingdon)
	Running	Load Power Factor	0%
			0.00pf
			0kVAr
		Load Parallel Power	0%
Concreter			0kW
Generator	Load Priority	Load Priority	1
	Options	Starting Alarms	Disabled / Enabled
		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
Diaplay	· · · · · · · · · · · · · · · · · · ·	AC Meter Enable	Enabled / Disabled
Display		THD Screen Enable	Enabled / Disabled
	Engine	Multi Meter Mode	Enabled / Disabled
		Tier 4 Screen	Enabled / Disabled
	Alarm	Alarm Alert Box	Enabled / Disabled
	Summary	Summary Area Graphic	Bars / Connectors
	Home	Commissioning Screens	Enabled / Disabled
Engine	Speed Adjust		Up / ODown buttons
	Module Time		hh:mm:ss
Time	Module Date		DD/ MM/ YYYY
	Date Format	MM/ DD/ YYYY OR DD/ MM/ YYYY	MM/ DD/ YYYY OR DD/ MM/ YYYY