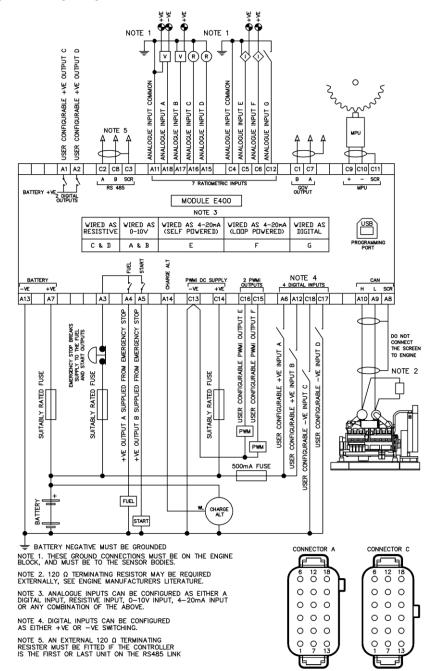
#### TYPICAL WIRING DIAGRAM



NOTE: To meet UL requirements, fuse the module supply at 167% of supply current.

# DEEP SEA ELECTRONICS

053-180 **ISSUE 6** 

Editor

# **DSEE400 Installation Instructions**

#### ACCESSING THE FRONT PANEL EDITOR

Ensure the engine is at rest and the module is in STOP mode by pressing the Stop/Reset



#### Press the Auto button, the first '#' changes to '0'. Press Up or Down

Enter Pin

If a module security PIN has been set, the PIN number request is then shown:

Press and hold the Up button when the first digit is correctly entered. The digit you have just entered will now show '#' for security.

Repeat this process for the other digits of the PIN number. Press and hold the Down button if previous digits need to be edited. Press the Auto button to finish editing the PIN.

Press the Auto button to check the PIN 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:

# Editor - Display Contrast 53%

#### **EDITING A PARAMETER**

- Enter the editor as described
- Press and hold the Up or Down buttons to cycle to the section you wish to view/change.
- Press the Up buttons to select the parameter you wish to view/change within the currently selected section.
- To edit the parameter, press the Auto button to enter edit mode. The parameter begins to flash to indicate that you are editing the value.
- or Down buttons to change the parameter to the required value.
- Press the Auto button to save the value. The parameter ceases flashing to indicate that it has been saved.
- To exit the editor and save the changes, press and hold the Auto button
  - To exit the editor and not save the changes, press and hold the Stop/Reset button.

▲NOTE: The editor is exited 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.

ANOTE: More comprehensive module configuration is possible using the DSE Configuration Suite PC Software, refer to DSE publication 057-251 DSEE400 Configuration Suite PC Software Manual.

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### FRONT PANEL EDITOR PARAMETERS

Section	Parameter As Shown On Display	Value
Display	Contrast	66 %
2.06.07	Backlight Level	100 %
	Language	English
		Day, month, year,
	Current Date and Time	hour, minute, seconds
Engine	Oil Pressure Low Shutdown (If Set)	1.03 bar, kPa, psi
g	Oil Pressure Low Pre-Alarm (If Set)	1.24 bar, kPa, psi
	Coolant Temperature High Pre Alarm	
	(If Set)	90 °C, °F
	Coolant Temp High Controlled Shutdown (If Set)	92 °C, °F
	Coolant Temperature High Shutdown (If Set)	95 °C, °F
	Pre Heat Temperature (If Set)	50 °C, °F
	Pre Heat Timer	0 h 0 m 0 s
	Post Heat Temperature (If Set)	50 °C, °F
	Post Heat Timer	0 h 0 m 0 s
	Under Speed Shutdown	Active, Inactive
	Under Speed Shutdown	1200 rpm
	Under Speed Warning	Active, Inactive
	Under Speed Warning	1260 rpm
	Over Speed Warning	Active, Inactive
	Over Speed Warning	1650 rpm
	Over Speed Shutdown	1710 rpm
	Overspeed Overshoot	0s
	Overspeed Overshoot	0%
	Battery Under Voltage Warning	Active, Inactive
	Battery Under Voltage Warning	10.0v
	Battery Under Voltage Warning Delay	0h 1m 0s
	Battery Over Voltage Warning	Active, Inactive
	Battery Over Voltage Warning	30.0v
	Battery Over Volts Warning Delay	0h 1m 0s
	Charge Alternator Failure Pre-Alarm	Active, Inactive
	Charge Alternator Failure Pre-Alarm	6.0v
	Charge Alternator Failure Pre-Alarm Delay	0h 0m 5s
	Charge Alternator Failure Shutdown	Active, Inactive
	Charge Alternator Failure Shutdown	4.0v
	Charge Alternator Shutdown Delay	0h 0m 5s
	Battery Under Voltage Warning	Active, Inactive
	Battery Under Voltage Warning	10.0v
	Battery Under Voltage Warning Delay	Oh 1m Os
	Battery Over Voltage Warning	Active, Inactive
	Battery Over Voltage Warning	30.0v
	Battery Over Volts Warning Delay	Oh 1m Os
	Charge Alternator Failure Pre-Alarm	Active, Inactive
	Charge Alternator Failure Pre-Alarm	6.0v
	Charge Alternator Failure Pre-Alarm Delay	Oh Om 5s
	Charge Alternator Failure Shutdown	Active, Inactive
	Charge Alternator Failure Shutdown Charge Alternator Shutdown Delay	4.0v 0h 0m 5s
Clutch	Clutch Disengage Low Speed	0 rpm
Control		
Control	Clutch Engage Speed	0 rpm
	Clutch Disengage High Speed	8000 rpm
	Clutch Re-Engage	0 rpm
DI C	Clutch Disengage Low Speed	0 rpm
PLC	PLC Watched Item (1-16)	[PLC value] units
Instruments		

Section	Parameter As Shown On Display	Value
Speed	Cranking Speed	0 rpm
Settings	Warming Speed	0 rpm
	Idle Speed	0 rpm
	Priming Speed	0 rpm
	DPF Regeneration Speed*	Active, Inactive
	DPF Regeneration Speed*	0 rpm
	Cooldown Speed	0 rpm
Speed	Min Speed	0 rpm
Control	Default Running Speed	0 rpm
	Max Speed	0 rpm
	Fixed Running Speed	0 rpm
	Selectable Speed 1	0 rpm
	Selectable Speed 2	0 rpm
	Selectable Speed 3	0 rpm
	Selectable Speed 4	0 rpm
	Linear Min Sensor Value	[Val] <user units=""></user>
	Linear Max Sensor Value	[Val] <user units=""></user>
	Linear Speed at Min	0 rpm
	Linear Speed at Max	0 rpm
	Emptying Speed	0 rpm
	Filling Speed	0 rpm
	Maintain Empty Running Speed	0 rpm
	Maintain Empty Emptying Speed	0 rpm
	Maintain Empty Setpoint	[Val] <user units=""></user>
	Maintain Empty Deadband	[Val] <user units=""></user>
	Maintain Fill Running Speed	0 rpm
	Maintain Fill Filling Speed	0 rpm
	Maintain Fill Setpoint	[Val] <user units=""></user>
	Maintain Fill Deadband	[Val] <user units=""></user>
	Engine Start Value	[Val] <user units=""></user>
	Engine Stop Value	[Val] <user units=""></user>
Maintenance	Maintenance PIN protect	Active, Inactive
	Maintenance Alarm 1	10h
	Maintenance Alarm 2	10h
	Maintenance Alarm 3	10h
	Maintenance Alarm 4	10h
	Maintenance Alarm 5	10h
	Maintenance Alarm 6	10h
	Maintenance Alarm 7	10h
	Maintenance Alarm 8	10h
	Maintenance Alarm 9	10h
	Maintenance Alarm 10	10h
CAN	CAN Terminator Active	Active, Inactive
	DPF Auto Regen Inhibit*	Active, Inactive
	DPF Manual Regen*	Active, Inactive
	DPF Manual Regen Cancel*	Active, Inactive
Flexible	Flexible Sensor (A-G) Low Alarm	Active, Inactive
Sensors	Flexible Sensor (A-G) Low Alarm	[value] <unit></unit>
	Flexible Sensor (A-G) Low Pre-Alarm	Active/Inactive
	Flexible Sensor (A-G) Low Pre-Alarm	[value] <unit></unit>
	Flexible Sensor (A-G) High Pre-Alarm	Active/Inactive
	Flexible Sensor (A-G) High Pre-Alarm	[value] <unit></unit>
	Flexible Sensor (A-G) High Alarm	Active/Inactive
<b>T</b>	Flexible Sensor (A-G) High Alarm	[value] <unit></unit>
Timers	LCD Page Timer	0h 5m 0s
	LCD Scroll Delay	0h 0m 2s
	Start Delay Off load	5s
	Start Delay On load	5s
	Start Delay Telemetry	5s
		5s 0h 0m 30s 0m 10s

Section	Parameter As Shown On Display	Value	
Timers	Safety On Delay	0m 10s	
Cont	Smoke Limiting	0h 0s	
	Smoke Limiting Off	0h 0s	
	Warming	0h 0m 0s	
	Return Delay	0h 0m 30s	
	Cooling	0h 1m 0s	
	Cooling at Idle	0h 1m 0s	
	Failed To Stop Delay	0m 30s	
	Delayed Engine Stop	0h 0m 30s	
	Engine Speed Transient Delay	0.0s	
	Priming Delay	0h 0m 30s	
	Selectable Speed Transfer Delay	0m 0.2s	
	DPF Ramp*	5s	
	Run Time Enable	Active, Inactive	
	Run Time	0h 15m 0s	
Scheduler	Schedule	Active, Inactive	
	Schedule Period	Wkly/Mthly (If Active)	
	Schedule Time & Date Selection (1-8)	See Editing A	
	` '	Parameter	
	1 Schedule	Off Load / On Load /	
		Auto start inhibit	
	Week 1 (If Monthly selected)	Wk1, Wk2, Wk3, Wk4	
	On	00:00	
	Run Time	00:00	
	MTWTFSS	Select day	
Active		<main config=""></main>	
Configuration		<alt 1="" config=""></alt>	
	Active Config Select	<alt 2="" config=""></alt>	
		<alt 3="" config=""></alt>	
		<alt 4="" config=""></alt>	
*Flectronic F	naines Only		

<sup>\*</sup>Electronic Engines Only

# ACCESSING THE SPEED CONTROL EDITOR

- Ensure the engine is at rest and the module is in STOP mode by pressing the Stop/Reset button.
- Navigate to the Active Configuration screen in the Engine section of the module's display.
- Press and hold the Up and Down buttons simultaneously to enter the editor, no PIN is required.
- Edit the parameters as described overleaf in the Editing a Parameter section.

### **DIMENSIONS AND MOUNTING**

For flat surface mounting in a Type 1 enclosure to meet UL requirements

DIMENSIONS

PANEL CUTOUT 189 mm x 125 mm x 54 mm 148 mm x 112 mm (7.5" x 4.9" x 2.1") (5.8" x 4.4")

MOUNTING HOLE SPACING

165 mm x 68 mm (6.5" x 2.7") (5/32" diameter)

MOUNTING HOLE DIAMETER Suitable for M4

# **CONNECTORS & WIRING HARNESS**

Details	DSE Part Number	Manufacturer's Part Number	Manufacturer
Connector A	007-850	DT16-18SA-K004	Deutsch
Connector C	007-851	DT16-18SC-K004	Deutsch
1.2 m Wiring Harness Complete with Connector A & C.	007-852	-	DSE