

Configuration Parameters – Module (Page 1)			
101	Contrast	0 (%)	121 Disable Generator Voltage Display On (1), Off (0)
102	Fast Loading Enabled	On (1), Off (0)	122 Disable Mains Voltage Display On (1), Off (0)
103	All Warnings Latched	On (1), Off (0)	123 Disable Generator Frequency Display On (1), Off (0)
104	Lamp Test at Startup	On (1), Off (0)	124 Disable Mains Frequency Display On (1), Off (0)
105	Power Save Mode Enable	On (1), Off (0)	125 Disable Current Display On (1), Off (0)
106	Deep Sleep Mode Enable	On (1), Off (0)	126 Disable kW Display On (1), Off (0)
107	Protected Start Enable	On (1), Off (0)	127 Disable kvar Display On (1), Off (0)
108	Event Log Display Format	On (1), Off (0)	128 Disable kVA Display On (1), Off (0)
109	Power Up Mode	0 (Power Up Mode)	129 Disable pf Display On (1), Off (0)
110	DTC String Enable	On (1), Off (0)	130 Disable kWh Display On (1), Off (0)
111	RESERVED		131 Disable kvarh Display On (1), Off (0)
112	Pin Protected Maintenance Reset	On (1), Off (0)	132 Disable kVAh Display On (1), Off (0)
113	Stop Button Cooldown	On (1), Off (0)	133 RESERVED
114	Use Module Oil Pressure	On (1), Off (0)	134 Show Load Switching Icons On (1), Off (0)
115	Use Module Coolant Temp	On (1), Off (0)	135 Backlight Inactivity Timer On (1), Off (0)
116	Use Module Engine Hours	On (1), Off (0)	136 ECU Periodic Wake Up On (1), Off (0)
117	Use Module RPM	On (1), Off (0)	137 Coolant Temp Persistence On (1), Off (0)
118	Use Module Charge Alt	On (1), Off (0)	138 Limit Audible Alarm Duration On (1), Off (0)
119	Disable CAN Speed Control	On (1), Off (0)	139 Transducer Power Supply On (1), Off (0)
120	CT Position	Gen (0), Load (1)	140 English Text Mode On (1), Off (0)

Configuration Parameters – CAN Application (Page 2)			
201	CAN Alternative Engine Speed	On (1), Off (0)	203 CAN ECU Data Fail Action 0 (Action)
202	CAN ECU Data Fail Arming	0 (Arming)	204 CAN ECU Data Fail Delay 0 s

Configuration Parameters – Digital Inputs (Page 3)			
301	Digital Input A Source	0 (Input Source)	
302	Digital Input A Polarity	0 (Polarity)	
303	Digital Input A Action (If Source = User Config)	0 (Action)	
304	Digital Input A Arming (If Source = User Config)	0 (Arming)	
305	Digital Input A Activation Delay (If Source = User Config)	0 s	
306	Digital Input B Source	0 (Input Source)	
307	Digital Input B Polarity	0 (Polarity)	
308	Digital Input B Action (If Source = User Config)	0 (Action)	
309	Digital Input B Arming (If Source = User Config)	0 (Arming)	
310	Digital Input B Activation Delay (If Source = User Config)	0 s	
311	Digital Input C Source	0 (Input Source)	
312	Digital Input C Polarity	0 (Polarity)	
313	Digital Input C Action (If Source = User Config)	0 (Action)	
314	Digital Input C Arming (If Source = User Config)	0 (Arming)	
315	Digital Input C Activation Delay (If Source = User Config)	0 s	
316	Digital Input D Source	0 (Input Source)	
317	Digital Input D Polarity	0 (Polarity)	
318	Digital Input D Action (If Source = User Config)	0 (Action)	
319	Digital Input D Arming (If Source = User Config)	0 (Arming)	
320	Digital Input D Activation Delay (If Source = User Config)	0 s	

Configuration Parameters – Outputs (Page 4)			
401	Digital Output A Source	0 (Output Source)	407 Digital Output D Source 0 (Output Source)
402	Digital Output A Polarity	0 (Output Polarity)	408 Digital Output D Polarity 0 (Output Polarity)
403	Digital Output B Source	0 (Output Source)	409 Digital Output E Source 0 (Output Source)
404	Digital Output B Polarity	0 (Output Polarity)	410 Digital Output E Polarity 0 (Output Polarity)
405	Digital Output C Source	0 (Output Source)	411 Digital Output F Source 0 (Output Source)
406	Digital Output C Polarity	0 (Output Polarity)	412 Digital Output F Polarity 0 (Output Polarity)

Configuration Parameters – Timers (Page 5)			
501	Mains Transient Delay	513 ETS Solenoid Hold	525 Page Delay
502	Start Delay	514 Failed to Stop Delay	526 Cooling Time at Idle
503	Preheat Timer	515 Generator Transient Delay	527 Backlight Power Save Delay
504	Crank Time	516 Transfer Delay	528 Audible Alarm Timer
505	Crank Rest Time	517 Breaker Trip Pulse	529 Fuel Pull in Coil Duration
506	Smoke Limiting	518 Breaker Close Pulse	530 ECU Override Time
507	Smoke Limiting Off	519 Delayed Load Output 1	531 ECU Periodic Wakeup Period
508	DPF Ramp	520 Delayed Load Output 2	532 Post-Heat Timer
509	Safety On Delay	521 Delayed Load Output 3	533 Delay Crank Timer
510	Warm Up Time	522 Delayed Load Output 4	534 Max Star Pause Timer
511	Return Delay	523 Power Save Mode Delay	
512	Cooling Time	524 Deep Sleep Mode Delay	

Digital Input Polarity				Output Polarity				Alarm Action	
Index	Polarity	Index	Polarity	Index	Arming	Index	Action	Index	Action
0	Close to Activate	0	Energise	0		0	Electrical Trip	1	Shutdown
1	Open to Activate	1	De-Energise	1		2	Warning	2	Warning

AC System		Digital Input Alarm Arming		Power Up Mode	
Index	Type	Index	Arming	Index	Mode
0	2 Phase 3 Wire (L1-L3)	0	Always	0	Stop
1	2 Phase 3 Wire (L1-L2)	1	From Safety On	1	Manual
2	3 Phase 3 Wire	2	From Starting	2	Auto
3	3 Phase 4 Wire	3	Never		
4	3 Phase 4 Wire (Delta)				
5	Single Phase 2 Wire				

Functionality in DSE4510 MKII & DSE4520 MKII
Functionality in DSE4520 MKII only.

Configuration Parameters – Generator (Page 6)			
601	Alternator Fitted	On (1), Off (0)	625 Generator AC System 0 (AC System)
602	Alternator Poles	0	626 CT Primary 0 A
603	Under Voltage Shutdown Enable	On (1), Off (0)	627 CT Secondary 1 A, 5 A
604	Under Voltage Trip Shutdown	0 V	628 Full Load Rating 0 A
605	Under Voltage Warning Enable	On (1), Off (0)	629 Immediate Over Current Enable On (1), Off (0)
606	Under Voltage Warning Trip	0 V	630 Delayed Over Current Alarm Enable On (1), Off (0)
607	RESERVED		631 Delayed Over Current Alarm Action 0 (Action)
608	Loading Voltage	0 V	632 Over Current Delay Time 0 s
609	Over Voltage Warning Enable	On (1), Off (0)	633 Over Current Trip 0 %
610	Over Voltage Warning Return	0 V	634 kW Rating 0 kW
611	Over Voltage Warning Trip	0 V	635 Over kW Protection Enable On (1), Off (0)
612	Over Voltage Shutdown Trip	0 V	636 Over kW Protection Action 0 (Action)
613	Under Frequency Shutdown Enable	On (1), Off (0)	637 Over kW Protection Trip 0 %
614	Under Frequency Shutdown Trip	0.0 Hz	638 Over kW Protection Trip Delay 0 s
615	Under Frequency Warning Enable	On (1), Off (0)	639 Enable CT Support On (1), Off (0)
616	Under Frequency Warning Trip	0.0 Hz	640 Over kW Protection Return 0 %
617	RESERVED		641 Nominal Voltage 0 V
618	Loading Frequency	0.0 Hz	642-655 RESERVED
619	Nominal Frequency	0.0 Hz	656 Load Unbalance Alarm On (1), Off (0)
620	Over Frequency Warning Enable	On (1), Off (0)	657 Load Unbalance Alarm Action 0 (Action)
621	Over Frequency Warning Return	0.0 Hz	658 Load Unbalance Trip 0 %
622	Over Frequency Warning Trip	0.0 Hz	659 Load Unbalance Warning Return 0 %
623	Over Frequency Shutdown Enable	On (1), Off (0)	660 Load Unbalance Delay Time 0 s
624	Over Frequency Shutdown Trip	0.0 Hz	

Configuration Parameters – Mains (Page 7)			
701	Mains AC System	0 (AC System)	709 Over Voltage Level Trip 0 V
702	Mains Failure Detection	On (1), Off (0)	710 Under Frequency Enable On (1), Off (0)
703	Immediate Mains Dropout	On (1), Off (0)	711 Under Frequency Trip 0 %
704	Under Voltage Enable	On (1), Off (0)	712 Under Frequency Return 0.0 Hz
705	Under Voltage Level	0 V	713 Over Frequency Enable On (1), Off (0)
706	Under Voltage Return	0 V	714 Over Frequency Return 0 Hz
707	Over Voltage Enable	On (1), Off (0)	715 Over Frequency Trip 0.0 Hz
708	Over Voltage Return	0 V	

Configuration Parameters – Engine (Page 8)			
801	Start Attempts	0	832 Start on Low Battery Engine Run Duration 0 s
802	Over Speed Overshoot	0 %	833 RESERVED
803	Over Speed Delay	0 s	834 RESERVED
804	Gas Choke Timer (Gas Engine Only)	0 s	835 J1939-75 Instruments Enable On (1), Off (0)
805	Gas On Delay (Gas Engine Only)	0 s	836 J1939-75 Alarms Enable On (1), Off (0)
806	Gas Ignition Off Delay (Gas Engine Only)	0 s	837 Engine CAN Source Address 0
807	Crank Disconnect On Oil Pressure Enable	On (1), Off (0)	838 Instrumentation CAN Source Address 0
808	Check Oil Pressure Prior to Starting	On (1), Off (0)	839 RESERVED
809	Crank Disconnect On Oil	0.0 Bar	840 Tier 4 Home Screen Enable On (1), Off (0)
810	Crank Disconnect On Frequency	0.0 Hz	841 Start Pause Time 0 s
811	Crank Disconnect On Engine Speed	0 RPM	842 Preheat Enable On (1), Off (0)
812	Under Speed Enable	On (1), Off (0)	843 Preheat Temperature 0 °C
813	Under Speed Trip	0 RPM	844 Post-heat Enabled On (1), Off (0)
814	Over Speed Trip	0 RPM	845 Post-heat Temperature 0 °C
815	Low Battery Voltage Enable	On (1), Off (0)	846 Coolant Heater Enabled On (1), Off (0)
816	Low Battery Voltage Warning	0.0 V	847 Coolant Heater On Temp 0 °C
817	Low Battery Voltage Return	0.0 V	848 Coolant Heater Off Temp 0 °C
818	Low Battery Voltage Delay	0:00:00	849 Coolant Cooler Enabled On (1), Off (0)
819	High Battery Voltage Enable	On (1), Off (0)	850 Coolant Cooler On Temp 0 °C
820	High Battery Voltage Return	0.0 V	851 Coolant Cooler Off Temp 0 °C
821	High Battery Voltage Warning	0.0 V	852 RESERVED
822	High Battery Voltage Warning Delay	0 s	853 Tank Bund Level High Alarm 0 (Action)
823	Charge Alt Shutdown Enable	On (1), Off (0)	854 Fan Speed Low Arming 0 (Arming)
824	Charge Alt Shutdown Trip	0.0 V	855 Fan Speed Low Action 0 (Action)
825	Charge Alt Shutdown Delay	0 s	856 Fan Speed Low Delay 0 s
826	Charge Alt Warning Enable	On (1), Off (0)	857 Fuel Low Switch Arming 0 (Arming)
827	Charge Alt Warning Trip	0.0 V	858 Fuel Low Switch Action 0 (Action)
828	Charge Alt Warning Delay	0 s	859 Fuel Low Switch Activation Delay 0 s
829	Start on Low Battery Enable	On (1), Off (0)	860 Crank Disconnect on Charge Alt Enable On (1), Off (0)
830	Start on Low Battery Threshold	0.0 V	861 Crank Disconnect on Charge Alt Voltage 0.0 V
831	Start on Low Battery Start Delay	0 s	

Configuration Parameters – Analogue Inputs (Page 9)			
901-902	RESERVED		
903	Low Oil Pressure Enable	On (1), Off (0)	
904	Low Oil Pressure Trip	0 Bar	
905	Oil Pressure Sensor Open Circuit	On (1), Off (0)	
906-907	RESERVED		
908	High Engine Temperature Trip	0.00 °C	
909	Temperature Sensor Open Circuit	On (1), Off (0)	
910-929	RESERVED		
930	Fuel Sensor C Low Alarm Action	Shutdown (2), Electrical Trip (1), Disabled (0)	
931	Fuel Sensor C Low Shutdown Trip	0 %	
932	Fuel Sensor C Low Shutdown Delay	0 s	
933	Fuel Sensor C Low Pre-Alarm Enable	On (1), Off (0)	
934	Fuel Sensor C Low Pre-Alarm Trip	0 %	
935	Fuel Sensor C Low Pre-Alarm Return	0 %	
936	Fuel Sensor C Low Pre-Alarm Delay	0 s	
937	Fuel Sensor C High Pre-Alarm Enable	On (1), Off (0)	
938	Fuel Sensor C High Pre-Alarm Return	0 %	
939	Fuel Sensor C High Pre-Alarm Trip	0 %	
940	Fuel Sensor C High Pre-Alarm Delay	0 s	
941	RESERVED		
942	Fuel Sensor C High Alarm Action	Shutdown (2), Electrical Trip (1), Disabled (0)	
943	Fuel Sensor C High Alarm Trip	0 %	
944	Fuel Sensor C High Alarm Delay	0 s	
945-967	RESERVED		
968	Fuel Usage Alarm (Run) Arming	On (1), Off (0)	
969	Fuel Usage Alarm (Run) Action	0 (Action)	
970	Fuel Usage Alarm (Run) Trip	0 %	
971	Fuel Usage Alarm (Run) Return	0 %	
972	Fuel Usage Alarm (Stopped) Arming	0 (Arming)	
973	Fuel Usage Alarm (Stopped) Action	0 (Action)	
974	Fuel Usage Alarm (Stopped) Trip	0 %	
975	Fuel Usage Alarm (Stopped) Return	0 %	
976	Low Coolant Level Arming	0 (Arming)	
977	Low Coolant Level Action	0 (Action)	
978	Low Coolant Level Trip	0 %	
979	Low Coolant Level Return	0 %	
980	Low Coolant Level Delay	00:00:00	
981	Low Coolant Level Open Circuit Arming	On (1), Off (0)	
982	Low Coolant Level Switch Arming	0 (Arming)	
983	Low Coolant Level Switch Action	0 (Action)	
984	Low Coolant Level Switch Delay	00:00:00	
985	High Engine Temp Pre-Alarm Enable	On (1), Off (0)	
986	High Engine Temp Pre-Alarm Return	0.00 °C	
987	High Engine Temp Pre-Alarm Trip	0.00 °C	

Configuration Parameters – Scheduler (Page 10)			
1001	Enable Scheduler	On (1), Off (0)	
1002	Schedule Run On or Off Load	On (1), Off (0)	
1003	Scheduler Period	Weekly (0), Monthly (1)	
1004, 1008, 1012, 1016, 1020, 1024, 1028, 1032	Start Time (Entry 1-8)	0:00:00	
1005, 1009, 1013, 1017, 1021, 1025, 1029, 1033	Day (Entry 1-8)	0 (1=Monday)	
1006, 1010, 1014, 1018, 1022, 1026, 1030, 1034	Week (Entry 1-8)	1, 2, 3 or 4	
1007, 1011, 1015, 1019, 1023, 1027, 1031, 1035	Duration (Entry 1-8)	0 s	

Configuration Parameters – Time (Page 11)			
1101	Time of Day	0:00:00	1104 Day of Month 1-31
1102	RESERVED		1105 Month of Year 1-12
1103	RESERVED		1106 Year 0-99

Configuration Parameters – Maintenance Alarms (Page 12)			
1201	Oil Maintenance Alarm Enable	On (1), Off (0)	1206 Air Maintenance Alarm Engine Hours 0 h
1202	Oil Maintenance Alarm Action	0 (Action)	1207 Fuel Maintenance Alarm Enable On (1), Off (0)
1203	Oil Maintenance Alarm Engine Hours	0 h	1208 Fuel Maintenance Alarm Action 0 (Action)
1204	Air Maintenance Alarm Enable	On (1), Off (0)	1209 Fuel Maintenance Alarm Engine Hours 0 h
1205	Air Maintenance Alarm Action	0 (Action)	

Configuration Parameters – Alternate Configuration 1 (Page 20)
2001-2057 Refer to the DSE Publication 057-260 DSE4510 MKII & DSE4520MKII Operators Manual for configuration parameters.

Configuration Parameters – Alternate Configuration 2 (Page 30)
3002-3057 Refer to the DSE Publication 057-260 DSE4510 MKII & DSE4520MKII Operators Manual for configuration parameters.

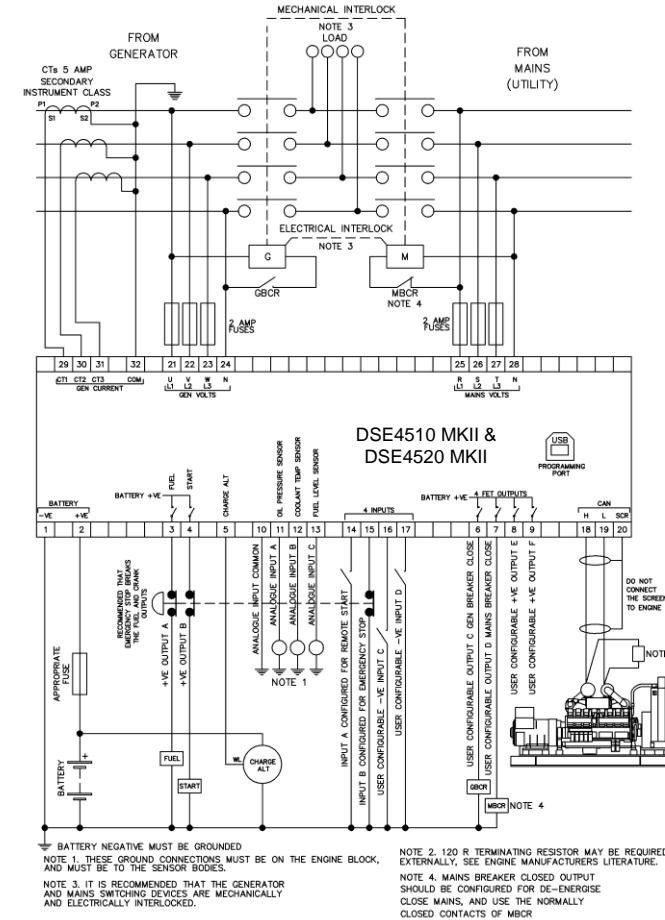
Configuration Parameters – Alternate Configuration 3 (Page 40)
4002-4057 Refer to the DSE Publication 057-260 DSE4510 MKII & DSE4520MKII Operators Manual for configuration parameters.

Input Sources			
0	User Configured	17	Mains Load Inhibit
1	Remote Start on Load	18	RESERVED
2	RESERVED	19	External Panel Lock
3	Auto Start Inhibit	20	Auxiliary Mains Fail
4	Lamp Test	21	Oil Pressure Switch
5	Alarm Mute	22	Coolant Temperature Switch
6	Alarm Reset	23	RESERVED
7	RESERVED	24	Simulate Mains Available
8	Simulate Start Button	25	Remote Start Off Load
9	Simulate Stop Button	26-30	RESERVED
10	RESERVED	31	Auto Restore Inhibit
11	Simulate Auto Button	32	RESERVED
12	RESERVED	33	Low Fuel Level Switch
13	Close Generator Open Mains	34	Smoke Limiting
14	Generator Load Inhibit	35-38	RESERVED
15	RESERVED	39	Main Configuration
16	Close Mains Open Generator	40	Alternative Configuration 1
41	Alternative Configuration 2	42	Alternative Configuration 3
43	Emergency Stop	44	RESERVED
45	Maintenance Reset Oil	46	Maintenance Reset Air
47	Maintenance Reset Fuel	48	RESERVED
49	RESERVED	50	DPF Auto Regen Inhibit
51	DPF Force Regeneration	52	DPF Regeneration Interlock
53	Water in Fuel	54	Fuel Bund Level High
55	Fan Speed Low	56	Low Coolant Level Switch
57	Wait To Start		

Output Sources			
0	Not Used	46	Mains Low Frequency
1	Air Flap Relay	47	Mains Low Voltage
2	Audible Alarm	48	Oil Pressure Sensor Open Circuit
3	Battery High Volts Warning	49	Open Generator Output
4	Battery Low Volts Warning	50	Open Generator Output Pulse
5	CAN ECU Data Fail	51	Open Mains Output
6	ECU (ECM) Warning	52	Open Mains Output Pulse
7	ECU (ECM) Shutdown	53	Over Frequency Shutdown
8	CAN ECU Power	54	Over Speed Shutdown
9	CAN ECU Stop	55	Preheat During Preheat Timer
10	Charge Alternator Shutdown	56	Preheat Until End of Crank
11	Charge Alternator Warning	57	Preheat Until End of Safety Timer
12	Close Generator Output	58	Preheat Until End of Warming
13	Close Generator Output Pulse	59	Smoke Limiting
14	Close Mains Output	60	Start Relay
15	Close Mains Output Pulse	61	Temperature Sensor Open Circuit
16	Combined Mains Failure	62	Under Frequency Shutdown
17	Common Alarm	63	Under Speed Shutdown
18	Common Electrical Trip	64	Waiting for Manual Restore
19	Common Shutdown	65	Flexible Sensor C High Alarm
20	Common Warning	66	Flexible Sensor C High Pre-Alarm
21	Cooling Down	67	Flexible Sensor C Low Pre-Alarm
22	Digital Input A	68	Flexible Sensor C Low Alarm
23	Digital Input B	69	RESERVED
24	Digital Input C	70	RESERVED
25	Digital Input D	71	RESERVED
26	RESERVED	72	RESERVED
27	RESERVED	73	Fuel Sensor High Alarm
28	RESERVED	74	Fuel Sensor High Pre-Alarm
29	Emergency Stop	75	Fuel Sensor Low Pre-Alarm
30	Enginise to Stop	76	Fuel Sensor Low Alarm
31	Fail to Start	77	Delayed Load Output 1
32	Fail to Stop	78	Delayed Load Output 2
33	Fuel Relay	79	Delayed Load Output 3
34	Gas Choke On	80	Delayed Load Output 4
35	Gas Ignition	81	Air Filter Maintenance
36	Generator Available	82	Oil Filter Maintenance
37	Generator High Voltage Alarm	83	Fuel Filter Maintenance
38	Generator Low Voltage Alarm	84	System in Stop Mode
39	kW Overload Alarm	85	System in Auto Mode
40	Over Current Immediate Warning	86	System in Manual Mode
41	Delayed Over Current Alarm	87	RESERVED
42	High Coolant Temp Shutdown	88	Analogue Input A (Digital)
43	Low Oil Pressure Shutdown	89	Analogue Input B (Digital)
44	Mains High Frequency	90	Analogue Input C (Digital)
45	Mains High Voltage	91	RESERVED
92	RESERVED	93	RESERVED
94	RESERVED	95	Over Speed Overshoot Alarm
96	Over Frequency Overshoot Alarm	97	Display Heater Fitted and Active
98	RESERVED	99	SCR Inducement
100	DEF Level Low	101	DPF Auto Regeneration Inhibit
102	DPF Forced Regeneration	103	DPF None Mission State
104	DPF Regeneration in Progress	105	DPF Regen Interlock Active
106	DPTC Filter	107	HEST Active
108	Water in Fuel	109	Fuel Pull in Coil
110	Generator at Rest	111	Fuel Tank Bund Level High
112	ECU Preheat	113	Water Heater
114	Water Cooler	115	Closed to Gen
116	Closed to Mains	117	Generator Under Frequency Warning
118	Generator Over Frequency Warning	119	Generator Low Voltage Warning
120	Generator High Voltage Warning	121	Main Config Selected
122	Alt Config 1 Selected	123	Alt Config 2 Selected
124	Alt Config 3 Selected	125	Flexible Sensor A High Alarm
126	Flexible Sensor A High Pre-Alarm	127	Flexible Sensor A Low Alarm
128	Flexible Sensor A Low Pre-Alarm	129	Flexible Sensor A Open Circuit
130	Fan Speed Low	131	Fuel Usage Alarm
132	Low Coolant Level	133	Low Coolant Level Open Circuit
134	Waiting To Start	135	High Coolant Temp Pre-Alarm
136	Gen Over Frequency Delayed Alarm	137	Load Unbalance Alarm

Functionality in DSE4510 MKII & DSE4520 MKII
 Functionality in DSE4520 MKII only

TYPICAL WIRING DIAGRAM



DIMENSIONS	PANEL CUTOUT	TERMINALS
140 mm x 113 mm x 43 mm (5.5" x 4.4" x 1.7")	118 mm x 92 mm (4.6" x 3.6")	Tightening Torque: 0.5 Nm (4.5 lb-in) Conductor Size: 0.5 mm ² to 2.5 mm ² (AWG 20 to AWG 13)

NOTE: A larger version of the typical wiring diagram is included in the product's operator manual. Refer to DSE Publication: **057-260 DSE4510 MKII & DSE4520 MKII Operator Manual**

NOTE: Terminals 25, 26, 27 & 28 are not fitted to the DSE4510 MKII

REQUIREMENTS FOR UL CERTIFICATION

Specification	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 mm ² to 2.5 mm ²). • 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.
Current Inputs	• Must be connected through UL Listed or Recognized isolating current transformers with the secondary rating of 5 A max.
Communication Circuits	• Must be connected to communication circuits of UL Listed equipment
DC Output Pilot Duty	• 0.5 A
Mounting	• Suitable for use in type 1 Enclosure Type rating with surrounding air temperature -22 °F to +158 °F (-30 °C to +70 °C) • Suitable for pollution degree 3 environments when voltage sensing inputs do not exceed 300 V. When used to monitor voltages over 300 V device to be install in an unventilated or filtered ventilation enclosure to maintain a pollution degree 2 environment.
Operating Temperature	• -22 °F to +158 °F (-30 °C to +70 °C)
Storage Temperature	• -40 °F to +176 °F (-40 °C to +80 °C)

DEEP SEA ELECTRONICS
DSE4510 MKII & DSE4520 MKII Installation Instructions
 Applicable to module version 3.0.0 and upwards.

EDITING A PARAMETER

- Press the **Stop/Reset Mode** (O) (-) and **Auto Mode** (AUTO) (✓) buttons together to enter the editor mode.
- Press the **Up** (↑) or **Down** (↓) navigation buttons to cycle through the front panel editor in increments of 100.
- Press the **Manual/Start Mode** (L) (+) or **Stop/Reset Mode** (O) (-) buttons to cycle through the front panel editor in increments of 1.
- When viewing the parameter to be edited, press the **Auto Mode** (AUTO) (✓) button and the value begins to flash.
- Press the **Manual/Start Mode** (L) (+) or **Stop/Reset Mode** (O) (-) navigation buttons to adjust the value to the required setting.
- Press the **Auto Mode** (AUTO) (✓) button to save the current value, the value ceases flashing.
- Press and hold the **Auto Mode** (AUTO) (✓) button to save and exit the editor, the configuration icon is removed from the display.

NOTE: Pressing and holding the **Manual/Start Mode** (L) (+) or **Stop/Reset Mode** (O) (-) buttons will give auto-repeat functionality.

NOTE: More comprehensive module configuration is possible via PC configuration software. For further details of module configuration, refer to DSE Publication: **057-258 DSE4510 MKII & DSE4520 MKII Configuration Suite PC Software Manual**.

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