Configuration Parameters – Module (Page 1)					
101	Contrast	0 (%)	117	Use Module RPM	On (1), Off (0)
102	Fast Loading Enabled	On (1), Off (0)	118	Use Module Charge Alt	On (1), Off (0)
103	All Warnings Latched	On (1), Off (0)	119	Disable CAN Speed Control	On (1), Off (0)
104	Lamp Test At Startup	On (1), Off (0)	120	CT Position	Gen (0), Load(1)
105	Power Save Mode Enable	On (1), Off (0)	121	Generator Voltage Display	On (1), Off (0)
106	Deep Sleep Mode Enable	On (1), Off (0)	122	Mains Voltage Display	On (1), Off (0)
107	Protected Start Enable	On (1), Off (0)	123	Generator Frequency Display	On (1), Off (0)
108	Event Log Display Format	On (1), Off (0)	124	Mains Frequency Display	On (1), Off (0)
109	Power Up Mode	0 (Power Up Mode)	125	Current Display	On (1), Off (0)
110	DTC String Enable	On (1), Off (0)	126	kW Display	On (1), Off (0)
111	RESERVED		127	kVAr Display	On (1), Off (0)
112	Pin Protected Maintenance Reset	On (1), Off (0)	128	kVA Display	On (1), Off (0)
113	Stop Button Cooldown	On (1), Off (0)	129	pf Display	On (1), Off (0)
114	Use Module Oil Pressure	On (1), Off (0)	130	kWh Display	On (1), Off (0)
115	Use Module Coolant Temp	On (1), Off (0)	131	kVArh Display	On (1), Off (0)
116	Use Module Engine Hours	On (1), Off (0)	132	kVAh Display	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 Enable	On (1), Off (0)	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
321-330	RESERVED	
331	Analogue Input A (Set As Digital) Source	0 (Input Source)
332	Analogue Input A (Set As Digital) Polarity	0 (Polarity)
333	Analogue Input A (Set As Digital) Action (If Source = User Config)	0 (Action)
334	Analogue Input A (Set As Digital) Arming (If Source = User Config)	0 (Arming)
335	Analogue Input A (Set As Digital) Activation Delay (If Source = User Config)	0 s
336	Analogue Input B (Set As Digital) Source	0 (Input Source)
337	Analogue Input B (Set As Digital) Polarity	0 (Polarity)
338	Analogue Input B (Set As Digital) Action (If Source = User Config)	0 (Action)
339	Analogue Input B (Set As Digital) Arming (If Source = User Config)	0 (Arming)
340	Analogue Input B (Set As Digital) Activation Delay (If Source = User Config)	0 s
341	Analogue Input C (Set As Digital) Source	0 (Input Source)
342	Analogue Input C (Set As Digital) Polarity	0 (Polarity)
343	Analogue Input C (Set As Digital) Action (If Source = User Config)	0 (Action)
344	Analogue Input C (Set As Digital) Arming (If Source = User Config)	0 (Arming)
345	Analogue Input C (Set As Digital) 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)

Pressure Sensor List	
Index	Type
0	Not used
1	Dig Closed for Alarm
2	Dig Open for Alarm
3	VDO 5 Bar
4	VDO 10 Bar
5	Datcon 5 Bar
6	Datcon 10 Bar
7	Datcon 7 Bar
8	Murphy 7 Bar
9	CMB812
10	Veglia
11	User Defined

Temperature Senor List	
Index	Type
0	Not Used
1	Dig Closed for Alarm
2	Dig Open for Alarm
3	VDO 120 °C
4	Datcon High
5	Datcon Low
6	Murphy
7	Cummins
8	PT100
9	Veglia
10	Beru
11	User Defined

Percentage Sensor List	
Index	Type
0	Not Used
1	Dig Closed for Alarm
2	Dig Open for Alarm
3	VDO Ohm (10-180)
4	VDO Tube (90-0)
5	US Ohm (240-33)
6	GM Ohm (0-90)
7	GM Ohm (0-30)
8	Ford (73-10)
9	User Defined

Configuration Parameters – Timers (Page 5)					
501	Mains Transient Delay	510	Return Delay	519	Delayed Load Output 2
502	Start Delay	511	Cooling Time	520	Delayed Load Output 3
503	Preheat Timer	512	ETS Solenoid Hold	521	Delayed Load Output 4
504	Crank Time	513	Failed To Stop Delay	522	Power Save Mode Delay
505	Crank Rest Time	514	Generator Transient Delay	523	Deep Sleep Mode Delay
506	Smoke Limiting	515	Transfer Time	524	Page Timer
507	Smoke Limiting Off	516	Breaker Trip Pulse	525	Cooling Time at Idle
508	Safety On Delay	517	Breaker Close Pulse		
509	Warm Up Time	518	Delayed Load Output 1		

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

Configuration Parameters – Mains (Page 7)					
701	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	0.0 Hz
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	817	Low Battery Voltage Return	0.0 V
802	Over Speed Overshoot	0 %	818	Low Battery Voltage Delay	0:00:00
803	Over Speed Delay	0 s	819	High Battery Voltage Enable	On (1), Off (0)
804	Gas Choke Timer (Gas Engine Only)	0 s	820	High Battery Voltage Return	0.0 V
805	Gas On Delay (Gas Engine Only)	0 s	821	High Battery Voltage Trip	0.0 V
806	Gas Ignition Off Delay (Gas Engine Only)	0 s	822	High Battery Voltage Warning Delay	0 s
807	Crank Disconnect On Oil Pressure Enable	On (1), Off (0)	823	Charge Alt Shutdown Enable	On (1), Off (0)
808	Check Oil Pressure Prior To Starting	On (1), Off (0)	824	Charge Alt Shutdown Trip	0.0 V
809	Crank Disconnect On Oil	0.00 Bar	825	Charge Alt Shutdown Delay	0 s
810	Crank Disconnect On Frequency	0.0 Hz	826	Charge Alt Warning Enable	On (1), Off (0)
811	Crank Disconnect On Engine Speed	0 RPM	827	Charge Alt Warning Trip	0.0 V
812	Under Speed Enable	On (1), Off (0)	828	Charge Alt Warning Delay	0 s
813	Under Speed Trip	0 RPM	829	Low Battery Start Arming	On (1), Off (0)
814	Over Speed Trip	0 RPM	830	Low Battery Start Threshold	0.0 V
815	Low Battery Voltage Enable	On (1), Off (0)	831	Low Battery Start Delay	0 s
816	Low Battery Voltage Trip	0.0 V	832	Low Battery Start Run Time	0 s

Sensor Type	
Index	Type
0	None
1	Digital Input
2	Percentage Sensor
3	Pressure Sensor
4	Temperature Sensor

AC System	
Index	Type
0	2 Phase 3 Wire (L1-L2)
1	2 Phase 3 Wire (L1-L3)
2	3 Phase 3 Wire
3	3 Phase 4 Wire
4	3 Phase 4 Wire (Delta)
5	Single Phase 2 Wire

Digital Input Alarm Arming	
Index	Arming
0	Always
1	From Safety On
2	From Starting
3	Never

Power Up Mode	
Index	Mode
0	Stop
1	Manual
2	Auto

Digital Input Polarity	
Index	Polarity
0	Close to Activate
1	Open to Activate

Output Polarity	
Index	Polarity
0	Energise
1	De-Energise

Alarm Action	
Index	Action
0	Electrical Trip
1	Shutdown
2	Warning

Configuration Parameters – Analogue Inputs (Page 9)		
901	Analogue Input A Senor Type	0 (Sensor Type)
902	Analogue Input A Sensor Selection	0 (Pressure Sensor List)
903	Low Oil Pressure Enable	On (1), Off (0)
904	Low Oil Pressure Trip	0 Bar
905	Oil Pressure Sender Open Circuit	On (1), Off (0)
906	Analogue Input B Senor Type	0 (Sensor Type)
907	Analogue Input B Sensor Selection	0 (Temperature Sensor List)
908	High Engine Temperature Trip	0.00 °C
909	Temperature Sender Open Circuit	On (1), Off (0)
910	Analogue Input C Sensor Usage	Flexible Sensor (1), Fuel Level Sensor (0)
911	Analogue Input C Senor Type	0 (Sensor Type)
912	Analogue Input C Sensor Selection	0 (Pressure / Temperature / Percentage Sensor List)
913	Flexible Sensor C Arming	0 (Arming)
914	Flexible Sensor C Low Alarm Action	0 (Action)
915	Flexible Sensor C Low Alarm Trip	0 % / Bar / °C
916	RESERVED	
917	Flexible Sensor C Low Pre-Alarm Enable	On (1), Off (0)
918	Flexible Sensor C Low Pre-Alarm Trip	0 % / Bar / °C
919	Flexible Sensor C Low Pre-Alarm Return	0 % / Bar / °C
920	RESERVED	
921	Flexible Sensor C High Pre-Alarm Enable	On (1), Off (0)
922	Flexible Sensor C High Pre-Alarm Return	0 % / Bar / °C
923	Flexible Sensor C High Pre-Alarm Trip	0 % / Bar / °C
924-925	RESERVED	
926	Flexible Sensor C High Alarm Action	0 (Action)
927	Flexible Sensor C High Alarm Trip	0 % / Bar / °C
928-929	RESERVED	
930	Fuel Sensor C Low Shutdown Enable	On (1), Off (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	0 (Action)
943	Fuel Sensor C High Alarm Trip	0 %
944	Fuel Sensor C High Alarm Delay	0 s

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	Day of Week	0 (1=Monday)	1105	Month of Year	1-12
1103	Week of Year	1-52	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)			

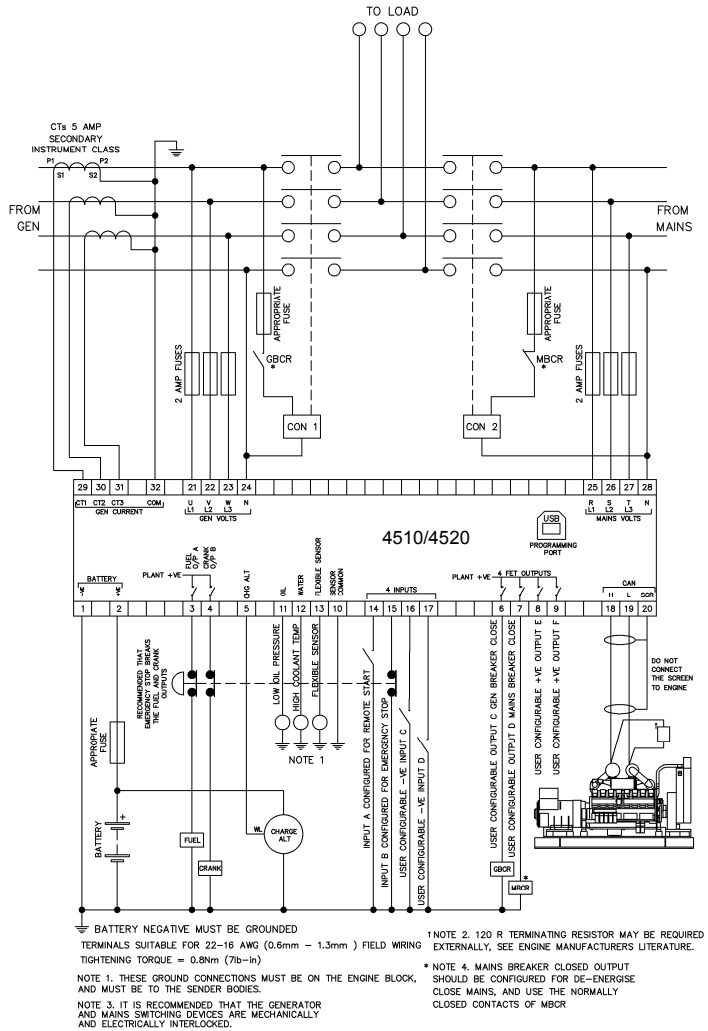
x	Functionality in all DSE4510 & DSE4520 variants.
x	Functionality in all DSE4520 variants.
x	Functionality in DSE4510 & DSE4520 current sensing variants only
x	Functionality in DSE4510 & DSE4520 RT & RTH variants only.
x*	Functionality in DSE4510 & DSE4520 RT & RTH variants only with version 1.6.71 and later.

Configuration Parameters – Alternate Configuration (Page 20)					
2001	Default Configuration	On (1), Off (0)	2028	Delayed Over Current Alarm Action	0 (Action)
2002	Enable Configuration	On (1), Off (0)	2029	Over Current Delay	00:00:00
2003	CAN Alternative Engine Speed	On (1), Off (0)	2030	Over Current Trip	0 %
2004	Under Voltage Shutdown Enable	On (1), Off (0)	2031	Generator kW Rating	0 kW
2005	Under Voltage Shutdown Trip	0 V	2032	Overload Protection Enable	On (1), Off (0)
2006	Under Voltage Warning Enable	On (1), Off (0)	2033	Overload Protection Action	0 (Action)
2007	Under Voltage Warning Trip	0 V	2034	Overload Protection Trip	0 %
2008	Loading Voltage	0 V	2035	Overload Protection Trip Delay	0 s
2009	Over Voltage Warning Enable	On (1), Off (0)	2036	AC System	0 (AC system)
2010	Over Voltage Warning Return	0 V	2037	Mains Failure Detection	On (1), Off (0)
2011	Over Voltage Warning Trip	0 V	2038	Immediate Mains Dropout	On (1), Off (0)
2012	Over Voltage Trip	0 V	2039	Mains Under Voltage Enable	On (1), Off (0)
2013	Under Frequency Shutdown Enable	On (1), Off (0)	2040	Mains Under Voltage Trip	0 V
2014	Under Frequency Shutdown Trip	0.0 Hz	2041	Mains Under Voltage Return	0 V
2015	Under Frequency Warning Enable	On (1), Off (0)	2042	Mains Over Voltage Enable	On (1), Off (0)
2016	Under Frequency Warning Trip	0.0 Hz	2043	Mains Over Voltage Return	0 V
2017	Loading Frequency	0.0 Hz	2044	Mains Over Voltage Trip	0 V
2018	Nominal Frequency	0.0 Hz	2045	Mains Under Frequency Enable	On (1), Off (0)
2019	Over Frequency Warning Enable	On (1), Off (0)	2046	Mains Under Frequency Trip	0.0 Hz
2020	Over Frequency Warning Return	0.0 Hz	2047	Mains Under Frequency Return	0.0 Hz
2021	Over Frequency Warning Trip	0.0 Hz	2048	Mains Over Frequency Enable	On (1), Off (0)
2022	Over Frequency Shutdown Enable	On (1), Off (0)	2049	Mains Over Frequency Return	0.0 Hz
2023	Over Frequency Shutdown Trip	0.0 Hz	2050	Mains Over Frequency Trip	0.0 Hz
2024	CT Primary	0 A	2051	Under Speed Shutdown Enable	On (1), Off (0)
2025	Full Load Rating	0 A	2052	Under Speed Shutdown Trip	0 RPM
2026	Immediate Over Current	On (1), Off (0)	2053	Over Speed Shutdown Trip	0 RPM
2027	Delayed Over Current Alarm	On (1), Off (0)			

Output Sources					
0	Not Used	33	Fuel Relay	66	Flexible Sender C High Alarm
1	Air Flap Relay	34	Gas Choke On	67	Flexible Sender C Low Pre-Alarm
2	Audible Alarm	35	Gas Ignition	68	Flexible Sender C Low Alarm
3	Battery Over Volts Warning	36	Generator Available	69	RESERVED
4	Battery Under Volts Warning	37	Generator Over Voltage Shutdown	70	RESERVED
5	CAN ECU Data Fail	38	Generator Under Voltage Shutdown	71	RESERVED
6	CAN ECU Error	39	kW Overload Alarm	72	RESERVED
7	CAN ECU Fail	40	Over Current Immediate Warning	73	Fuel Sender High Alarm
8	CAN ECU Power	41	Delayed Over Current Trip Alarm	74	Fuel Sender High Alarm
9	CAN ECU Stop	42	High Coolant Temperature Shutdown	75	Fuel Sender Low Pre-Alarm
10	Charge Alternator Shutdown	43	Low Oil Pressure Shutdown	76	Fuel Sender Low Alarm
11	Charge Alternator Warning	44	Mains High Frequency	77	Delayed Load Output 1
12	Close Gen Output	45	Mains High Voltage	78	Delayed Load Output 2
13	Close Gen Output Pulse	46	Mains Low Frequency	79	Delayed Load Output 3
14	Close Mains Output	47	Mains Low Voltage	80	Delayed Load Output 4
15	Close Mains Output Pulse	48	Oil Pressure Sender Open Circuit	81	Air Filter Maintenance Output
16	Combined Mains Failure	49	Open Gen Output	82	Oil Filter Maintenance Output
17	Common Alarm	50	Open Gen Output Pulse	83	Fuel Filter Maintenance Output
18	Common Electrical Trip	51	Open Mains Output	84	System In Stop Mode
19	Common Shutdown	52	Open Mains Output Pulse	85	System In Auto Mode
20	Common Warning	53	Over Frequency Shutdown	86	System In Manual Mode
21	Cooling Down	54	Over Speed Shutdown	87	RESERVED
22	Digital Input A	55	Preheat During Preheat Timer	88	Analogue Input A (Digital)
23	Digital Input B	56	Preheat Until End Of Crank	89	Analogue Input B (Digital)
24	Digital Input C	57	Preheat Until End Of Safety Timer	90	Analogue Input C (Digital)
25	Digital Input D	58	Preheat Until End Of Warming	91	RESERVED
26	RESERVED	59	Smoke Limiting	92	RESERVED
27	RESERVED	60	Start Relay	93	RESERVED
28	RESERVED	61	Temperature Sender Open Circuit	94	RESERVED
29	Emergency Stop	62	Under Frequency Shutdown	95	Over Speed Overshoot
30	Energise To Stop	63	Under Speed Shutdown	96	Over Frequency Overshoot
31	Fail To Start	64	Waiting For Manual Restore	97	Display Heater Fitted and Active
32	Fail To Stop	65	Flexible Sender C High Alarm		

Input Sources							
0	User Configured	9	External Panel Lock	18	Simulate Stop Button		
1	Alarm Mute	10	Generator Load Inhibit	19	Simulate Auto Button		
2	Alarm Reset	11	Lamp Test	20	Simulate Start Button		
3	Alternative Configuration	12	Low Fuel Level Switch	21	Smoke Limiting		
4	Auto Restore Inhibit	13	Mains Load Inhibit	22	Close Generator	Open Mains	
5	Auto Start Inhibit	14	Oil Pressure Switch	23	Close Mains	Open Generator	
6	Auxiliary Mains Fail	15	Remote Start Off Load	24	Maintenance Reset Oil		
7	Coolant Temperature Switch	16	Remote Start On Load	25	Maintenance Reset Air		
8	Emergency Stop	17	Simulate Mains Available	26	Maintenance Reset Fuel		

TYPICAL WIRING DIAGRAM



NOTE: A larger version of the typical wiring diagram is included in the products operator manual. Refer to DSE Publication: *057-171 DSE4510 & DSE4520 Operators Manual*

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 12 AWG – 26 AWG (0.5 mm² to 2.0 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.
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 ºF to +158 ºF (-30 ºC to +70 ºC) • 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 ºF to +158 ºF (-30 ºC to +70 ºC)
Storage Temperature	• -40 ºF to +176 ºF (-40 ºC to +80 ºC)

DEEP SEA ELECTRONICS PLC

DSE4510 & DSE4520 Installation Instructions

Applicable to module version 1.4.46 and upwards.

EDITING A PARAMETER

- Press the (O) (-) and (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 (I) (+) or (O) (-) navigation buttons to cycle through the front panel editor in increments of 1.
- When viewing the parameter to be edited, press the(✔) button and the value begins to flash.
- Press the (I) (+) or (O) (-) navigation buttons to adjust the value to the required setting.
- Press the (AUTO) (✔) button the save the current value, the value ceases flashing.
- Press and hold the (AUTO) (✔) button to save and exit the editor, the configuration icon is removed from the display.

NOTE: Pressing and holding the (I) (+) or (O) (-) buttons will give auto-repeat functionality. Values can be changed quickly by holding the navigation buttons for a prolonged period of time.

DIMENSIONS
140 mm x 113 mm x 43 mm
(5.5" x 4.4" x 1.7")

PANEL CUTOUT
118 mm x 92 mm
(4.6" x 3.6")

TERMINALS
Tightening Torque: 0.5 Nm (4.5 lb-in)
Conductor Size: 0.5 mm² to 2.5 mm²
(AWG 24 to AWG 10)

NOTE: Terminals 8, 9, 25, 26, 27 & 28 are not fitted to DSE4510

NOTE: Terminals 29, 30, 31 & 32 are fitted to DSE4510 & DSE4520 current sensing variants only

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