TYPICAL WIRING DIAGRAM

ANOTE: A larger version of the typical wiring diagram is included in the product's operator manual. Refer to DSE Publication: 057-289 DSE6110 MKIII & DSE6120 MKIII Operator Manual available from www.deepseaplc.com.

ANOTE: Terminals 33, 34, 35 and 36 are not fitted to the DSE6110 MKIII.



NOTE 2. 120 R TERMINATING RESISTOR MAY BE REQUIRED EXTERNALLY, SEE ENGINE MANUFACTURERS LITERATURE. NOTE 3. MUST BE FITTED AS FIRST OR LAST UNIT ON DEENET WITH NO TERMINATION RESISTOR. THE SUBSEQUENT FIRST OR LAST UNIT ON DEENE UNIT OF CONTROL A 100 ONLY TERMINATION DEEDED MUST BE FITTED WIT

NOTE 5. IT IS RECOMMENDED THAT THE GENERATOR AND MAINS SWITCHGEAR ARE MECHANICALLY AND FLECTRICALLY INTERLOCKED. NOTE 6. CLOSE MAINS OUTPUT SHOULD BE CONFIGURED FOR CLOSE MAINS WITH A POLARITY OF DE-ENERGISE, AND THE NORMALLY CLOSED CONTACTS

DIMENSIONS AND MOUNTING

Parameter	Specification
Dimensions	245 mm X 184 mm X 51 mm (9.6" X 7.2" X 2.0")
Panel Cutout	220 mm X 160 mm (8.7" X 6.3")
Weight	0.98 kg (2.16 lb)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +80 °C (-40 °F to +176 °F)

OUTPUT SOURCES CONTINUED

Output Sources Continued	
DDE Earoad Bagan	

63	DPF Forced Regen Requested	140	Lamp Test	217	System In Auto Mode
64	DPF Non Mission	141	Load Freq Not Reached	218	System In Man Mode
65	DPF Regen Active	142	Load Volts Not Reached	219	System In Stop Mode
66	DPF Regen Interlock	143	Loss Of MPU Signal	220	System In Test Mode
67	DPTC Filter	144	Louvre Control	221	Telemetry Active
68	Droop Enable	145	Low Coolant Temp	222	Telemetry Data Active
69	ECU (ECM) Data Fail	146	Low Load	223	Temp Sensor OC
70	ECU (ECM) Power	147	Low Oil Pressure Sdn	224	Low Freq Alarm
71	ECU (ECM) Shutdown	148	Low Oil Pressure Wng	225	Low Freq Warning
72	ECU (ECM) Stop	149	Main Config Selected	226	Low Speed Alarm
73	ECU (ECM) Warning	150	Mains Closed Aux	227	Low Speed Warning
74	ECU Pre-Heat	151	Mains Failure	228	Wait For Man Restore
75	EJP 1	152	Mains High Freq	229	Water in Fuel
76	EJP 2	153	Mains High Volts		

OUTPUT SOURCES

	tput Sources				
U	Not Used	77	Emergency Stop	154	Mains Load Inhibit
1	Air Flap Relay	78	Energise To Stop	155	Mains Low Freq
2	Alarm Mute	79	External Panel Lock	156	Mains Low Volts
3	Alarm Reset	80	Fail To Start	157	RESERVED
4	Alt Config 1 Selected	81	Fail To Stop	158	Maintenance Alarm 1 Due
5	RESERVED	82	Fan Control	159	Maintenance Alarm 2 Due
6	RESERVED	83	Elex Sensor & High Alarm	160	Maintenance Alarm 3 Due
7		94	Flox Sonsor A High Pro-Alm	161	Manual Postoro Contact
<u></u>	DEOEDVED	04	Flex Gensor A Law Alarm	101	Manual Restore Contact
8	RESERVED	85	Flex Sensor A Low Alarm	162	MPU Open Circuit
9	Analogue Input A	86	Flex Sensor A Low Pre-Alm	163	RESERVED
10	Analogue Input B	87	Flex Sensor A OC	164	Oil Pressure Sensor OC
11	Analogue Input C	88	Flex Sensor B High Alarm	165	Oil Pressure Switch
12	Analogue Input D	89	Flex Sensor B High Pre-Alm	166	Open Gen Output
13	Arm Safety On Alarms	90	Flex Sensor B Low Alarm	167	Open Gen Pulse
14	Audible Alarm	91	Flex Sensor B Low Pre-Alm	168	Open Mains Output
15	Auto Restore Inhibit	92	Flex Sensor B OC	169	Open Mains Pulse
16	Auto Start Inhibit	03	Flex Sensor C High Alarm	170	Over Current IDMT Alarm
47	Auto Start minor	33	Flex Sensor C High Dra Alm	474	Over Current Imm Werning
17	Auxiliary Mains Failure	94	Flex Sensor C High Pre-Aim	171	Over Current Imm warning
18	Battery High Volts	95	Flex Sensor C Low Alarm	1/2	Over Freq Runaway
19	Batter Low Volts	96	Flex Sensor C Low Pre-Alm	173	Over Freq Warning
20	Call For Scheduled Run	97	Flex Sensor C OC	174	Over Speed Runaway
21	Charge Alt Fail Shutdown	98	Flex Sensor D High Alarm	175	Over Speed Shutdown
22	Charge Alt Fail Warning	99	Flex Sensor D High Pre-Alm	176	Over Speed Warning
23	Close Gen Output	100	Flex Sensor D Low Alarm	177	Overspeed Delayed Alarm
24	Close Gen Pulse	101	Elex Sensor D Low Pre-Alm	178	Overspeed Delayed Wng
25	Close Mains Output	102	Flex Sensor D OC	170	Overspeed Overshoot Alarm
25	Close Mains Output	102		119	Overspeed Overshoot Marin
20	Close Mains Pulse	103	Fuel Level High Alarm	160	Overspeed Overshoot wing
27	Combined Mains Failure	104	Fuel Level High Pre-Alarm	181	Preheat During Preheat
			, , , , , , , , , , , , , , , , , , ,		limer
28	Maintenance Alm 1,2,3	105	Fuel Level Low Alarm	182	Preheat Until Crank End
29	Common Lo/Hi Freq Alm	106	Fuel Level Low Pre-Alarm	183	Preheat Until End Of Safety
20	Combined Lo/Hi Freq	407	Fuel Burne Control	404	Preheat Until End Of
30	Warning	107	Fuel Pump Control	104	Warming
31	Combined Lo/Hi Volt Alm	108	Fuel Relay	185	Protections Disabled
32	Combined Lo/Hi Volt Wng	109	Fuel Sensor OC	186	Remote Control 1
33	Common Alarm	110	Fuel Tank Bund Level High	187	Remote Control 10
34	Common F Trip	111	RESERVED	188	Remote Control 2
25	Common Shutdown	112		100	Remote Control 2
	Common Shutdown	442	Gas Cricke Off	109	Remote Control 3
20	Common Worming				Remote Control 4
36	Common Warning	115	Cap Loading Fred Net	190	
36 37	Common Warning Config CAN 1 Active	114	Gen Loading Freq Not	190 191	Remote Control 5
36 37	Common Warning Config CAN 1 Active	114	Gen Loading Freq Not Reached	190 191	Remote Control 5
36 37 38	Common Warning Config CAN 1 Active Config CAN 10 Active	114	Gen Loading Freq Not Reached Gen Loading Volts Not	190 191 192	Remote Control 5 Remote Control 6
36 37 38	Common Warning Config CAN 1 Active Config CAN 10 Active	113 114 115	Gen Loading Freq Not Reached Gen Loading Volts Not Reached	190 191 192	Remote Control 5 Remote Control 6
36 37 38 39	Common Warning Config CAN 1 Active Config CAN 10 Active Config CAN 2 Active	113 114 115 116	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm	190 191 192 193	Remote Control 5 Remote Control 6 Remote Control 7
36 37 38 39 40	Common Warning Config CAN 1 Active Config CAN 10 Active Config CAN 2 Active Config CAN 3 Active	113 114 115 <u>116</u> 117	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Wng	190 191 192 193 194	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8
36 37 38 39 40 41	Common Warning Config CAN 1 Active Config CAN 10 Active Config CAN 2 Active Config CAN 3 Active Config CAN 4 Active	113 114 115 <u>116</u> <u>117</u> <u>1</u> 18	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Wng Gen Available	190 191 192 <u>193</u> 194 195	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Control 9
36 37 38 39 40 41 42	Common Warning Config CAN 1 Active Config CAN 10 Active Config CAN 2 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active	113 114 115 116 117 118 119	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Wng Gen Available Gen Closed Aux	190 191 192 193 194 195 196	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load
36 37 38 39 40 41 42 43	Common Warning Config CAN 1 Active Config CAN 10 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 5 Active Config CAN 6 Active	113 114 115 116 117 118 119 120	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Wng Gen Available Gen Closed Aux Gen Excite	190 191 192 193 194 195 196 197	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Start Off Load Remote Start Of Load
33 36 37 38 39 40 41 42 43 44	Common Warning Config CAN 1 Active Config CAN 10 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 7 Active	113 114 115 <u>116</u> <u>117</u> <u>118</u> <u>119</u> <u>120</u> 121	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Wng Gen Available Gen Closed Aux Gen Excite Gen Excite Gen High Volts Alarm	190 191 192 193 194 195 196 197	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load Remote Start On Load
33 36 37 38 39 40 41 42 43 44 45	Common Warning Config CAN 1 Active Config CAN 10 Active Config CAN 2 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 6 Active Config CAN 7 Active Config CAN 8 Active	113 114 115 116 117 118 119 120 121 122	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Wng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Alarm	190 191 192 193 194 195 196 197 198	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Start Off Load Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2
33 36 37 38 39 40 41 42 43 44 45 44	Common Warning Config CAN 1 Active Config CAN 10 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 7 Active Config CAN 8 Active Config CAN 8 Active	113 114 115 116 117 118 119 120 121 122	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Wng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Alarm Gen High Volts Varning Gen High Volts Varning	190 191 192 193 194 195 196 197 198 199 200	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 9 Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Boott Maintenance 2
35 36 37 38 39 40 41 42 43 44 45 46	Common Warning Config CAN 1 Active Config CAN 10 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 7 Active Config CAN 7 Active Config CAN 8 Active Config CAN 9 Active	113 114 115 116 117 118 119 120 121 122 123	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Wng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Warning Gen High Volts Shutdown	190 191 192 193 194 195 196 197 198 199 200	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load Remote Start On Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 3
336 37 38 39 40 41 42 43 44 45 46 47	Common Warning Config CAN 1 Active Config CAN 10 Active Config CAN 2 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 5 Active Config CAN 7 Active Config CAN 8 Active Config CAN 9 Active Config CAN 9 Active Config CAN 9 Active	113 114 115 116 117 118 119 120 121 122 123 124	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Wng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Alarm Gen High Volts Shutdown Gen Load Inhibit	190 191 192 193 194 195 196 197 198 199 200 201	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Start Off Load Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit
36 37 38 39 40 41 42 43 44 45 46 47 48	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 6 Active Config CAN 7 Active Config CAN 9 Active Config CAN 9 Active Config CAN 9 Active Config CAN 9 Active	113 114 115 116 117 118 119 120 121 122 123 124 125	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Wng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Alarm Gen High Volts Shutdown Gen Load Inhibit Gen Low Volts Alarm	190 191 192 193 194 195 196 197 198 199 200 201 202	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Start Off Load Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement
36 37 38 39 40 41 42 43 44 45 46 47 48 49	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 5 Active Config CAN 6 Active Config CAN 7 Active Config CAN 7 Active Config CAN 9 Active Config CAN 9 Active Config CAN 9 Active Config CAN 9 Active Coolant Cooler Control Coolant Heater Control Coolant Temp Switch	113 114 115 116 117 118 119 120 121 122 123 124 125 126	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Wng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Shutdown Gen Load Inhibit Gen Load Inhibit Gen Low Volts Warning	190 191 192 193 194 195 196 197 198 199 200 201 202 203	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement Screensaver Active
33 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 7 Active Config CAN 7 Active Config CAN 9 Active Config CAN 9 Active Config CAN 9 Active Coolant Cooler Control Coolant Heater Control Coolant Temp Switch Cooling Down	113 114 115 116 117 118 119 120 121 123 124 125 126 127	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Wng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Shutdown Gen Load Inhibit Gen Low Volts Alarm Gen Low Volts Alarm Gen Low Volts Alarm Gen Low Volts Warning Gen Low Volts Warning Gen Low Volts Warning Gen High Freq Alarm	190 191 192 193 194 195 196 197 198 200 201 202 203 204	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Start Off Load Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement Screensaver Active Shutdown Blocked
33 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 6 Active Config CAN 7 Active Config CAN 9 Active Config CAN 9 Active Config CAN 9 Active Config CAN 9 Active Confid CAN 9 Active	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Mng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Alarm Gen High Volts Alarm Gen Low Volts Alarm Gen Low Volts Alarm Gen Low Volts Alarm Gen High Freq Alarm Gen High Freq Delayed Alm	190 191 192 193 194 195 196 197 198 199 200 201 201 202 203 204 205	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Of Load Remote Start On Load Reset Maintenance 1 Reset Maintenance 1 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement Screensaver Active Shutdown Blocked Simulate Auto Button
33 36 37 38 39 40 41 42 43 44 45 6 47 48 49 50 51 52	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 5 Active Config CAN 6 Active Config CAN 7 Active Config CAN 7 Active Config CAN 9 Active Config CAN 9 Active Config CAN 9 Active Coolant Cooler Control Coolant Heater Control Coolant Temp Switch Coolant Temp Switch Coolant Temp Switch	113 114 115 <u>116</u> <u>117</u> <u>118</u> <u>119</u> <u>120</u> <u>121</u> <u>122</u> <u>123</u> <u>124</u> <u>125</u> <u>126</u> <u>127</u> <u>128</u>	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Wng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Marning Gen High Volts Shutdown Gen Load Inhibit Gen Load Inhibit Gen Load Inhibit Gen Low Volts Alarm Gen High Freq Alarm Gen High Freq Delayed Alm Gen High Freq Delayed Alm Gen High Freq Delayed Alm	190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 203 204 205	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement Screensaver Active Shutdown Blocked Simulate Auto Button
33 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 6 Active Config CAN 7 Active Config CAN 9 Active Config CAN 9 Active Coolant Cooler Control Coolant Heater Control Coolant Temp Switch Cooling Down Data Logging Active DEF Level Low	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Mng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Shutdown Gen Load Inhibit Gen Low Volts Alarm Gen Low Volts Alarm Gen Low Volts Alarm Gen High Freq Alarm Gen High Freq Delayed Alm Gen High Freq Delayed Alm Gen High Freq Delayed	190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Start Off Load Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement Screensaver Active Shutdown Blocked Simulate Auto Button Simulate Close Gen
336 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 6 Active Config CAN 7 Active Config CAN 9 A	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Mng Gen Available Gen Closed Aux Gen Exite Gen High Volts Alarm Gen High Volts Alarm Gen High Volts Alarm Gen Low Volts Alarm Gen Low Volts Alarm Gen Low Volts Alarm Gen High Freq Alarm Gen High Freq Delayed Alm Gen High Freq Delayed Alm Gen High Freq Delayed Warning RESERVED	190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load Remote Start Off Load Reset Maintenance 1 Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement Screensaver Active Shutdown Blocked Simulate Auto Button Simulate Close Gen Simulate Lamo Test
336 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 54	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 7 Active Config CAN 7 Active Config CAN 9 Active Config CAN 9 Active Coolant Cooler Control Coolant Heater Control Coolant Heater Control Coolant Heater Control Coolant Temp Switch Cooling Down Data Logging Active DEF Level Low DEF Level Low DEF Level Low Alarm	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Mng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Marning Gen High Volts Shutdown Gen Load Inhibit Gen Load Inhibit Gen Load Inhibit Gen Load Inhibit Gen Low Volts Marning Gen High Freq Delayed Alm Gen High Freq Delayed Warning RESERVED RESERVED	190 191 192 193 194 195 196 197 198 199 200 201 203 204 205 206 207 208	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement Screensaver Active Shutdown Blocked Simulate Auto Button Simulate Close Gen Simulate Mains Available
336 37 38 39 40 41 42 44 44 50 51 52 53 54 55 53 55 53 55	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 6 Active Config CAN 7 Active Config CAN 9 Active Config CAN 9 Active Coolant Cooler Control Coolant Heater Control Coolant Temp Switch Cooling Down Data Logging Active DEF Level Low DEF Level Low Alarm Digital Input A Digital Input A	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Mng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Shutdown Gen Load Inhibit Gen Low Volts Alarm Gen Low Volts Alarm Gen High Freq Alarm Gen High Freq Delayed Alm Gen High Freq Delayed Alm Gen High Freq Delayed Mm Gen High Freq Delayed Warning RESERVED RESERVED	190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement Screensaver Active Shutdown Blocked Simulate Auto Button Simulate Close Gen Simulate Lamp Test Simulate Manuel
336 37 38 39 40 41 42 43 44 45 50 51 52 53 54 55 55 55	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 6 Active Config CAN 7 Active Config CAN 9 A	113 114 115 116 117 118 119 120 121 121 122 123 124 125 126 127 128 129 130 131 132	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Mng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Alarm Gen Load Inhibit Gen Low Volts Alarm Gen Low Volts Alarm Gen High Freq Alarm Gen High Freq Delayed Alm Gen High Freq Delayed Marning RESERVED RESERVED RESERVED	190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 206	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load Remote Start Off Load Reset Maintenance 1 Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement Screensaver Active Shutdown Biocked Simulate Auto Button Simulate Close Gen Simulate Manual Simulate Manual
336 37 38 39 40 41 42 43 44 45 50 51 52 53 54 55 56	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 6 Active Config CAN 7 Active Config CAN 9 Active Coolant Cooler Control Coolant Heater Control Coolant Control Coolant Heater Control Coo	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Mng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Marning Gen High Volts Shutdown Gen Load Inhibit Gen Load Inhibit Gen Load Inhibit Gen Low Volts Marning Gen High Freq Alarm Gen High Freq Delayed Alm Gen High Freq Delayed Warning RESERVED RESERVED HEST Active High Coolant Temp E Trip	190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210	Remote Control 5 Remote Control 7 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement SCRenduked Auto Start Inhibit SCR Inducement Screensaver Active Shutdown Blocked Simulate Auto Button Simulate Close Gen Simulate Manual Simulate Manual Simulate Manual
336 37 38 3940 41 42 43 44 45 51 52 53 54 55 56 57	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 6 Active Config CAN 7 Active Config CAN 9 Active Config CAN 9 Active Coolant Cooler Control Coolant Heater Control Coolant Temp Switch Cooling Down Data Logging Active DEF Level Low DEF Level Low DEF Level Low Alarm Digital Input A Digital Input C Digital Input C	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Vng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Shutdown Gen Load Inhibit Gen Low Volts Alarm Gen Low Volts Alarm Gen High Freq Delayed Alm Gen High Freq Delayed Alm Gen High Freq Delayed Alm Gen High Freq Delayed Alm Gen High Freq Delayed Marning RESERVED RESERVED HEST Active High Coolant Temp E Trip High Coolant Temp Sdn	190 191 192 193 194 195 196 197 198 200 201 202 203 204 205 206 207 208 207 208 209 210 211	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement Screensaver Active Shutdown Blocked Simulate Auto Button Simulate Close Gen Simulate Close Gen Simulate Mains Available Simulate Mains Available Simulate Manual Simulate Open Gen Simulate Start
336 37 38 39 40 41 42 43 44 45 66 47 48 99 55 55 56 57 58 56 57 58 57 58 57 58 57 58 56 57	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 4 Active Config CAN 5 Active Config CAN 6 Active Config CAN 9 A	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Wng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Marning Gen High Volts Shutdown Gen Load Inhibit Gen Low Volts Marning Gen High Freq Alarm Gen High Freq Delayed Alm Gen High Freq Delayed Alm Gen High Freq Delayed Warning RESERVED RESERVED HEST Active High Coolant Temp Sdn High Coolant Temp Warning	190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement Screensaver Active Shuddown Biocked Simulate Auto Button Simulate Close Gen Simulate Mains Available Simulate Mains Available Simulate Manual Simulate Start Simulate Start
33 37 38 39 40 41 42 43 44 45 64 47 48 99 51 52 53 55 55 57 58 59	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 6 Active Config CAN 7 Active Config CAN 9 Active Config CAN 9 Active Coolant Cooler Control Coolant Heater Control	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Mng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Marning Gen High Volts Shutdown Gen Load Inhibit Gen Load Inhibit Gen Low Volts Marning Gen High Freq Alarm Gen High Freq Delayed Alm Gen High Freq Delayed Alm Gen High Freq Delayed Warning RESERVED RESERVED HEST Active High Coolant Temp E Trip High Coolant Temp Warning High Icoolant Temp Warning	190 191 192 193 194 195 196 197 197 198 199 200 201 203 204 205 206 207 208 209 210 211 212 213	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement Screensaver Active Shutdown Blocked Simulate Auto Button Simulate Close Gen Simulate Manual Simulate Manual Simulate Manual Simulate Start Simulate Stop Simulate Test On Load
33 37 38 39 40 41 42 43 44 50 51 52 53 54 55 55 55 55 55 55 55 55 56 57 58 59 60	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 6 Active Config CAN 7 Active Config CAN 9 Active Coolant Cooler Control Coolant Heater Control Coolant Temp Switch Cooling Down Data Logging Active DEF Level Low DEF Level Low DEF Level Low DEF Level Low DEF Level Low Digital Input A Digital Input C Digital Input F Digital Input G	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 130 131 132 133 134 135 136 137	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Vng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Shutdown Gen Load Inhibit Gen Low Volts Marning Gen High Freq Delayed Marning Gen High Freq Delayed Alm Gen High Freq Delayed Marning RESERVED RESERVED HEST Active High Coolant Temp E Trip High Coolant Temp Marning High Inlet Temp Shutdown	190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214	Remote Control 5 Remote Control 6 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement Screensaver Active Shutdown Blocked Simulate Auto Button Simulate Close Gen Simulate Close Gen Simulate Mains Available Simulate Mains Available Simulate Manual Simulate Open Gen Simulate Start Simulate Test On Load Simulate Test On Load Simolate Test On Load
33 37 38 39 40 41 42 43 44 51 52 53 54 55 56 57 58 59 60 61	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 4 Active Config CAN 5 Active Config CAN 6 Active Config CAN 9 A	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Mng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Marning Gen High Volts Shutdown Gen Load Inhibit Gen Low Volts Marning Gen High Freq Delayed Alm Gen High Freq Delayed Alm Gen High Freq Delayed Alm Gen High Freq Delayed Marning RESERVED RESERVED RESERVED HEST Active High Coolant Temp E Trip High Coolant Temp Marning High Inlet Temp Shutdown High Inlet Temp Marning	190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215	Remote Control 5 Remote Control 7 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load Remote Start Off Load Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement Screensaver Active Shuddown Bicked Simulate Auto Button Simulate Close Gen Simulate Mains Available Simulate Mains Available Simulate Mains Available Simulate Stop Simulate Stop Simulate Stop Simulate Stop Simulate Stop Simulate Stop Simulate Stop Simulate Stop Simulate Stop
33 37 38 39 40 41 42 44 44 46 47 89 51 52 53 54 55 55 57 58 59 60 61 62	Common Warning Config CAN 1 Active Config CAN 1 Active Config CAN 2 Active Config CAN 3 Active Config CAN 3 Active Config CAN 4 Active Config CAN 5 Active Config CAN 5 Active Config CAN 9 Active Config CAN 9 Active Config CAN 9 Active Coolant Cooler Control Coolant Heater Control Coolant Temp Switch Coolant Temp Switch Coolant Down DeF Level Low DEF Level Low	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139	Gen Loading Freq Not Reached Gen Loading Volts Not Reached Gen Hi Freq Overshoot Alm Gen Hi Freq Overshoot Vng Gen Available Gen Closed Aux Gen Excite Gen High Volts Alarm Gen High Volts Marning Gen Load Inhibit Gen Load Inhibit Gen Load Inhibit Gen Low Volts Marning Gen High Freq Alarm Gen High Freq Delayed Alm Gen High Freq Delayed Alm Gen High Freq Delayed Mwarning RESERVED RESERVED HEST Active High Coolant Temp & Trip High Coolant Temp Warning High Inlet Temp Warning Inhibit Scheduled Rum WW Overload Alarm	190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 200 210 211 212 213 214 215 216	Remote Control 5 Remote Control 7 Remote Control 7 Remote Control 8 Remote Control 9 Remote Start Off Load Remote Start Off Load Reset Maintenance 1 Reset Maintenance 2 Reset Maintenance 2 Reset Maintenance 3 Scheduled Auto Start Inhibit SCR Inducement Screensaver Active Shutdown Blocked Simulate Auto Button Simulate Close Gen Simulate Manual Simulate Manual Simulate Manual Simulate Manual Simulate Start Simulate Test On Load Smoke Limiting Start Relay Stop And Panel Lock

Abbreviation Table Overleaf

Output Sources Continued Overleaf



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ACCESSING THE MAIN CONFIGURATION EDITOR

- Ensure the engine is at rest and the module is in STOP mode by pressing the (Stop/Reset) button.
- Press the O(Stop/Reset) and (Tick) buttons simultaneously. If a module security PIN has been set, the PIN number request is then shown:
- The first #' changes to '0'. Press the (Up) or (Down) button to adjust it to the correct value.
- Press the 🕷 (Right) button when the first digit is correctly entered. The digit previously entered now shows '#' for security.
- Repeat this process for the other digits of the PIN number. If required press the . button to move back to adjust one of the previous digits.
- PIN is checked for validity when the \bigcirc (Tick) button is pressed. 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:

EDITING A PARAMETER

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Enter the editor as described above.

- Press the (Right) or (Left) buttons to cycle to the section to view/change.
- Press the (Up) or (Down) buttons to select the parameter to view/change within the currently selected section.
- To edit the parameter, press the \bigcirc (Tick) button to enter edit mode. The parameter . begins to flash to indicate editing.
- Press the 🖤 (Up) or 🌑 (Down) buttons to change the parameter to the required value.
- Press the ((Tick) 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 \checkmark • (Tick) button.
- To exit the editor without saving the changes, press and hold the (Stop/Reset) button.

ACCESSING THE 'RUNNING' CONFIGURATION EDITOR

- The 'running' 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 \checkmark (Tick) button to enter the running editor. •

RUNNING CONFIGURATION EDITOR PARAMETERS

Section	Parameter As Shown On Display	Section	Parameter As Shown On Display
Module	Contrast	Engine	Frequency Adjust
	Language	Continued	DPF Auto Regen Inhibit
Engine	Manual Freq Trim		DPF Man Regen Request
	Speed Bias		ECU Service Mode
	Governor Gain		

ANOTE: If the editor is inactive for the duration of the *LCD Page Timer*, it is automatically exited to ensure security.

ANOTE: The PIN number is automatically reset when exiting the editor (manually or automatically) to ensure security.

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MAIN CONFIGURATION EDITOR PARAMETERS

NOTE: Comprehensive module configuration is possible using the DSE Configuration Suite PC Software, refer to DSE publication 057-290 DSE61xx MKIII Configuration Suite PC Software Manual available from www.deepseaplc.com.

Section	Parameter As Shown On Display		
Module	Contrast		
	Language		
	Current Date and Time		
	Fast Loading		
	Warnings Latched		
	Lamp Test At Start Up		
	Power Save Mode		
	Event Leg Display Format	_	
	Maintenance Pin Protect		Gener
	Cool Down In Stop Mode		
	Hold Start Button To Crank		
	Power Up In Mode		
	Audible Alarm Timer		
	Suppress Instrument Generator Voltage		
	Suppress Instrument Generator Frequency		
	Suppress Instrument Mains Voltage		
	Suppress Instrument Mains Frequency		
	Suppress Instrument Current		
	Suppress Instrument kW		
	Suppress Instrument kvar		
	Suppress Instrument KVA		
	Suppress Instrument Power Factor		
	Suppress Instrument kvarb		
	Suppress Instrument k\/Ab		
	Suppress Instrument Charge Alternator		
Alt Config	Alternate Configuration		
Engine	Start Attempts		
U U	Gas Engine Choke (Gas Engine Only)		
	Gas Engine Delay (Gas Engine Only)		
	Ignition off Delay (Gas Engine Only)		
	Crank Disconnect Oil Pressure		
	Oil Pressure Check Prior to Starting		
	Crank Disconnect Frequency		
	Crank Disconnect Engine Speed		
	Crank Disconnect Oil Pressure		
	Oil Pressure Low Shutdown		
	Coolent Temp Low Werning		
	Coolant Temp Low Warning		
	Coolant Temp High Electrical Trip		
	Coolant Temp High Shutdown		
	Fuel Usage Running Rate		
	Fuel Usage Stopped Rate		
	Specific Gravity		
	Pre-Heat Temp		
	Pre-Heat Timer		
	Post-Heat Temp		
	Post-Heat Timer		Mains
	Droop [Enable]		DSE61
	Droop [Control]		MKII C
	Under Speed Shutdown [Enable]	_	
	Under Speed Shutdown [Trip]	_	
	Under Speed Warning [Enable]	_	
	Under Speed Wanning	_	
	Over Speed Warning [Enable]	- 1	
	Over Speed Warning [Enable]	- 1	
	Over Speed Shutdown [Trip]	- 1	
	Over Speed Delay	- 1	
	Overspeed Overshoot	- 1	
	Overspeed Overshoot [Delav]		
	Battery Under Voltage Warning [Enable]	┥ ┝	Timer
	Battery Under Voltage Warning		mer
	Battery Under Voltage Warning Return	-1 L	

Section	Parameter As Shown On Display
Engine	Battery Under Voltage Warning Delay
Continued	Battery Over Voltage Warning [Enable]
	Battery Over Voltage Warning Return
	Battery Over Voltage Warning Return
	Charge Alternator Failure Warning [Enable]
	Charge Alternator Failure Warning [Enable]
	Charge Alternator Failure Warning
	Charge Alternator Failure Warning Delay
	Charge Alternator Failure Shutdown [Enable]
	Charge Alternator Failure Shutdown
	Charge Alternator Failure Shutdown Delay
	Low Battery Start [Enable]
	Low Battery Run On Load [Enable]
	Low Battery Start Threshold
	Low Battery Start Delay
	Low Battery Pup Time
	Low Dattery Kun Time Magnetic Dickup [Enchlo]
	The set Track
	Flywneel Teeth
Generator	AC System
	Alternator Fitted
	Alternator Poles
	Under Voltage Alarm [Enable]
	Under Voltage Alarm [Trip]
	Under Voltage Pre-Alarm [Enable]
	Linder Voltage Pre-Alarm [Trin]
	Under Voltage Delay
	Loading Voltage
	Nominal Voltage
	Over Voltage Pre-Alarm [Enable]
	Over Voltage Pre-Alarm Return
	Over Voltage Pre-Alarm [Trip]
	Over Voltage Shutdown [Trip]
	Over Voltage Delay
	Under Frequency Alarm [Enable]
	Under Frequency Alarm [Trip]
	Under Frequency Pre-Alarm [Enable]
	Under Frequency Pre-Alarm [Trip]
	Under Frequency Delay
	Loading Frequency
	Nominal Frequency
	Over Frequency Pre-Alarm [Enable]
	Over Frequency Pre-Alarm Return
	Over Frequency Pro-Alarm [Trip]
	Over Frequency Fre-Alam [Trip]
	Over Frequency Shutdown [1rip]
	Over Frequency Delay
	Frequency Overshoot Shutdown
	Frequency Overshoot Delay
	CT Location
	CT Primary
	Full Load Rating
	Immediate Over Current [Enchle]
	Infinediate Over Current [Enable]
	Delayed Over Current [Enable]
	Delayed Over Current
	Full Load kW Rating
	kW Overload Alarm [Enable]
	kW Overload Alarm Action
	kW Overload Alarm Return
	kW Overload Alarm Trip
	kw Overload Alarm Delay
Mains	Mains Failure Detection
DSE6120	Immediate Mains Dropout
MKII Only	Under Voltage [Enable]
	Under Voltage Trip
	Under Voltage Return
	Over Voltage [Enable]
	Over Voltage Return
	Over Voltage Trip
	Over voltage i rip
	Under Frequency [Enable]
	Under Frequency Trip
	Under Frequency Return
	Over Frequency [Enable]
	Over Frequency Return
	Over Frequency Trip
Timers	Start Delay Off Load
	Start Dolay On Load

Section	Parameter As Shown On Display
Timers	Start Delay Mains Fail
Continued	Start Delay Telemetry
	Mains Transient Delay
	Cranking
	Cranking Rest
	Smoke Limiting
	Smoke Limiting Off
	DEE Ramo
	Safaty On Dolay
	Marming
	warning
	ECU Override
	Mains Transfer Time
	Breaker Close Pulse
	Breaker Trip Pulse
	Return Delay
	Cooling
	Cooling At Idle
	ETS Solenoid Hold
	Fail To Stop Delay
	I CD Page Delay
	LCD Scroll Delay
	Booklight Timor
	Audible Alarm
CAN ECU	Alternate Engine Speed
	ECU Data Fail
	ECU Data Fail Action
	ECU Data Fail Delay
	Use Module Oil Pressure
	Use Module Coolant Temp
	Use Module Engine Hours
	Use Module RPM
	Use Module Charge Alt
Maintenance	Maintenance Alarm 1 [Enable]
Alarms	Maintenance Alarm 1 Action
laine	Maintenance Alarm 1 Engine Hours
	Maintenance Alarm 1 On Duo Data
	Maintenance Alarm 1 On Due Date
	Maintenance Alarm 1 Interval
	Maintenance Alarm 2 [Enable]
	Maintenance Alarm 2 Action
	Maintenance Alarm 2 Engine Hours
	Maintenance Alarm 2 On Due Date [Enable]
	Maintenance Alarm 2 Interval
	Maintenance Alarm 3 [Enable]
	Maintenance Alarm 3 Action
	Maintenance Alarm 3 Engine Hours
	Maintenance Alarm 3 On Due Date [Enable]
	Maintenance Alarm 3 Interval
Outputs	Digital Output A Source
	Digital Output A Polarity
	Digital Output B Source
	Digital Output B Polarity
	Digital Output C Source
	Digital Output C Belarity
	Digital Output D Source
	Digital Output D Source
	Digital Output D Polarity
	Digital Output E Source
	Digital Output E Polarity
	Digital Output F Source
	Digital Output F Polarity
	Digital Output G Source
	Digital Output G Polarity
	Digital Output H Source
	Digital Output H Polarity
	Digital Output I Source
	Digital Output I Polarity
	LCD Indicator 1 Source
	LCD Indicator 1 Polarity
	LCD Indicator 2 Source
	LCD Indicator 2 Bolarity
	LCD Indicator 2 Polarity
	LCD Indicator 3 Bolarity
D = h = d = 1	Cob indicator 3 Polarity
schedule	Schedule Enable
	Schedule Period Bank 1

Section	Parameter As Shown On Display
Schedule	Bank 1 Schedule 1 to 8
Continued	Schedule Period Bank 2
	Bank 2 Schedule 1 to 8

ABBREVIATION KEY TABLE

Abbreviation	Meaning
Alm	Alarm
Wng	Warning
Sdn	Shutdown
E Trip	Electrical Trip
OC	Open Circuit
Lo	Low/Under
Hi	High/Over
Alt	Alternative
Freq	Frequency
Gen	Generator
Ph	Phase
Grev Coloured Item	DSE6120 MKIII Only

REQUIREMENTS FOR UL CERTIFICATION Specificati

opcontoution	Description
Screw Terminal	4.5 lb-in (0.5 Nm)
Torque	
Conductors	Terminals suitable for connection of conductor size 13 AWG to 20 AWG (0.5 mm² to 2.5 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 flat surface mounting in Type 1 Enclosure Type rating with surrounding air temperature -22 °F to +122 °F (-30 °C to +50 °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 installed in an unventilated or filtered ventilation enclosure to maintain a pollution degree 2 environment.
Operating Temperature	-22 °F to +122 °F (-30 °C to +50 °C)