

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	1-31
1102	RESERVED		1-12
1103	RESERVED		0-99
1104	Day of Month		
1105	Month of Year		
1106	Year		

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 (Page 20)
 For information on this section, refer to DSE Publication: 057-182 DSE7110 MKII & DSE7120 MKII Operators Manual

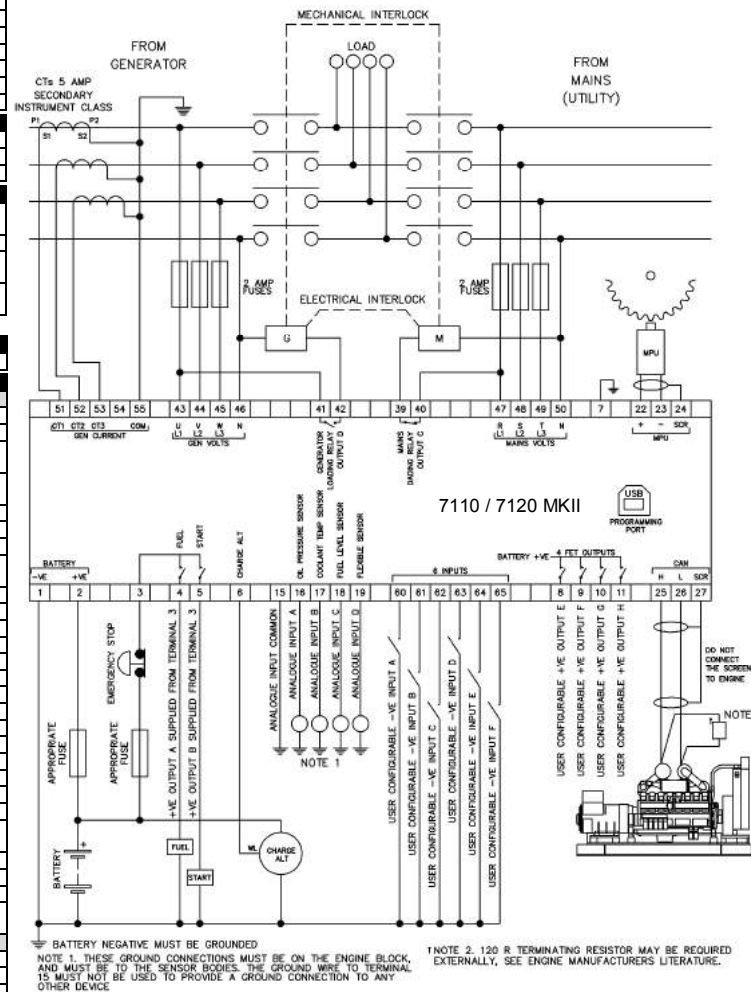
Output Sources					
0	Not Used	34	Gas Choke On	68	Waiting For Manual Restore
1	Air Flap Relay	35	Gas Ignition	69	Flexible Sender C High Alarm
2	Audible Alarm	36	Generator Available	70	Flexible Sender C High Alarm
3	Battery Over Volts Warning	37	Generator Over Voltage Shutdown	71	Flexible Sender C Low Pre-Alarm
4	Battery Under Volts Warning	38	Generator Under Voltage Shutdown	72	Flexible Sender C Low Alarm
5	CAN ECU Data Fail	39	kW Overload Alarm	73	Flexible Sender D High Alarm
6	CAN ECU Error	40	Over Current Immediate Warning	74	Flexible Sender D High Alarm
7	CAN ECU Fail	41	Delayed Over Current Trip Alarm	75	Flexible Sender D Low Pre-Alarm
8	CAN ECU Power	42	High Coolant Temperature Shutdown	76	Flexible Sender D Low Alarm
9	CAN ECU Stop	43	Low Oil Pressure Shutdown	77	Fuel Sender High Alarm
10	Charge Alternator Shutdown	44	Mains High Frequency	78	Fuel Sender High Alarm
11	Charge Alternator Warning	45	Mains High Voltage	79	Fuel Sender Low Pre-Alarm
12	Close Gen Output	46	Mains Low Frequency	80	Fuel Sender Low Alarm
13	Close Gen Output Pulse	47	Mains Low Voltage	81	Delayed Load Output 1
14	Close Mains Output	48	Oil Pressure Sender Open Circuit	82	Delayed Load Output 2
15	Close Mains Output Pulse	49	Open Gen Output	83	Delayed Load Output 3
16	Combined Mains Failure	50	Open Gen Output Pulse	84	Delayed Load Output 4
17	Common Alarm	51	Open Mains Output	85	Air Filter Maintenance Output
18	Common Electrical Trip	52	Open Mains Output Pulse	86	Oil Filter Maintenance Output
19	Common Shutdown	53	Gen Over Frequency Shutdown	87	Fuel Filter Maintenance Output
20	Common Warning	54	Over Speed Shutdown	88	System In Stop Mode
21	Cooling Down	55	Preheat During Preheat Timer	89	System In Auto Mode
22	Digital Input A	56	Preheat Until End Of Crank	90	System In Manual Mode
23	Digital Input B	57	Preheat Until End Of Safety Timer	91	Fuel Pump Control
24	Digital Input C	58	Preheat Until End Of Warming	92	Analogue Input A (Digital)
25	Digital Input D	59	Smoke Limiting	93	Analogue Input B (Digital)
26	Digital Input E	60	Start Relay	94	Analogue Input C (Digital)
27	Digital Input F	61	Temperature Sender Open Circuit	95	Analogue Input D (Digital)
28	RESERVED	62	Under Frequency Shutdown	96	System In Test Mode
29	Emergency Stop	63	Under Speed Shutdown	97	Loss Of MPU Signal
30	Energise To Stop	64	Flexible Sender A High Alarm	98	MPU Open Circuit
31	Fail To Start	65	Flexible Sender A High Alarm	99	Over Speed Overshoot
32	Fail To Stop	66	Flexible Sender A Low Pre-Alarm	100	Over Frequency Overshoot
33	Fuel Relay	67	Flexible Sender A Low Alarm	101	Display Heater Fitted and Active

Input Sources					
0	User Configured	10	Generator Load Inhibit	20	Simulate Start Button
1	Alarm Mute	11	Lamp Test	21	Smoke Limiting
2	Alarm Reset	12	Low Fuel Level Switch	22	Close Generator Open Mains
3	Alternative Configuration	13	Mains Load Inhibit	23	Close To Mains Open Generator
4	Auto Restore Inhibit	14	Oil Pressure Switch	24	Maintenance Reset Oil
5	Auto Start Inhibit	15	Remote Start Off Load	25	Maintenance Reset Air
6	Auxiliary Mains Fail	16	Remote Start On Load	26	Maintenance Reset Fuel
7	Coolant Temperature Switch	17	Simulate Mains Available	27	Simulate Manual Button
8	RESERVED	18	Simulate Stop Button	28	Simulate Test Button
9	External Panel Lock	19	Simulate Auto Button	29	Manual Mode And Start Request

Sensor Type		AC System		Digital Input Alarm Arming		Power Up Mode	
Index	Type	Index	Type	Index	Arming	Index	Mode
0	Percentage Sensor	0	2 Phase 3 Wire (L1-L2)	0	Always	0	Stop
1	Pressure Sensor	1	2 Phase 3 Wire (L1-L3)	1	From Safety On	1	Manual
2	Temperature Sensor	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 DSE7110 MKII and DSE7120 MKII
 Functionality in DSE7120 MKII only

TYPICAL WIRING DIAGRAM



NOTE: A larger version of the typical wiring diagram is included in the products operator manual. Refer to DSE Publication: 057-182 DSE7110 MKII & DSE7120 MKII Operators Manual

REQUIREMENTS FOR UL CERTIFICATION

Specification	Description
Screw Terminal Tightening Torque	• 4.5 lb-in (0.5 Nm)
Conductors	<ul style="list-style-type: none"> • Terminals suitable for connection of conductor size 24 AWG to 12 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 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	<ul style="list-style-type: none"> • 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 installed 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 +158 °F (-40 °C to +70 °C)

DEEP SEA ELECTRONICS PLC
DSE7110 & DSE7120 Installation Instructions
 Applicable to module version 1.1.58 and upwards.

- #### EDITING A PARAMETER
- Press the and (✓) buttons together to enter the editor mode.
 - Press the (left or right) navigation buttons to cycle through the front panel editor in increments of 100.
 - Press the (up or down) navigations buttons to cycle through the front panel editor in increments of 1.
 - When viewing the parameter to be edited, press the (✓) button, the value begins to flash.
 - Press the (up or down) navigation buttons to adjust the value to the required setting.
 - Press the (✓) button the save the current value, the value ceases flashing.
 - Press and hold the (✓) button to save and exit the editor, the configuration icon is removed from the display.

NOTE: Pressing and holding the navigation buttons gives an auto-repeat functionality. Values can be changed quickly by holding the navigation buttons for a prolonged period of time.

DIMENSIONS	PANEL CUTOUT	TERMINALS
216 mm x 158 mm x 42 mm (8.5" x 6.2" x 1.6")	182 mm x 137 mm (7.2" x 5.4")	Tightening Torque: 0.5 Nm (4.5 lb-in) Conductor Size: 0.5 mm ² to 2.5 mm ² (AWG 24 to AWG 10)

NOTE: Terminals 47, 48, 49 & 50 are not fitted to DSE7110 MKII

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