



OUTPUT SOURCE LIST		
0	Not used	
1	Air flap relay (1)	
2	Arm safety on alarms	
3	Audible alarm	
4	Battery over volts warning	
5	Battery under volts warning	
6	Can ECU data fail	CAN
7	Can ECU error	CAN
8	Can ECU fail	CAN
9	Can ECU power	CAN
10	Can ECU stop	CAN
11	Charge alternator shutdown	
12	Charge alternator warning	
13	Close gen output	
14	Close gen output pulse	
15	Close mains output	
16	Close mains output pulse	
17	Combined mains failure	
18	Common alarm	
19	Common electrical trip	
20	Common shutdown	
21	Common warning	
22	Cooling down	
23	Digital input A	
24	Digital input B	
25	Digital input C	
26	Digital input D	
27	Digital input E	
28	Digital input F	
29	Emergency stop	
30	Energise to stop	
31	Fail to come to rest	
32	Fail to start	
33	Fuel relay	
34	Gas choke on	
35	Gas ignition	
36	Generator available	
37	Generator over voltage shutdown	
38	RESERVED	
39	RESERVED	
40	Loss of magnetic pickup signal	
41	Low fuel level	
42	Low oil pressure (shutdown)	
43	Mains high frequency	
44	Mains high voltage	
45	Mains low frequency	
46	Mains low voltage	
47	Open gen output	
48	Open gen output pulse	
49	Open mains output	
50	Open mains output pulse	
51	Over frequency shutdown	
52	Over speed shutdown	
53	Preheat during preheat timer	
54	Preheat until end of crank	
55	Preheat until end of safety timer	
56	Preheat until end of warming timer	
57	Smoke limiting	
58	Start relay	
59	Under frequency shutdown	
60	Under speed shutdown	
61	Waiting for manual restore	

71xx - 02 (CAN option) only  
 71xx - 01 (Magnetic pickup option) only

**DIMENSIONS AND MOUNTING**

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

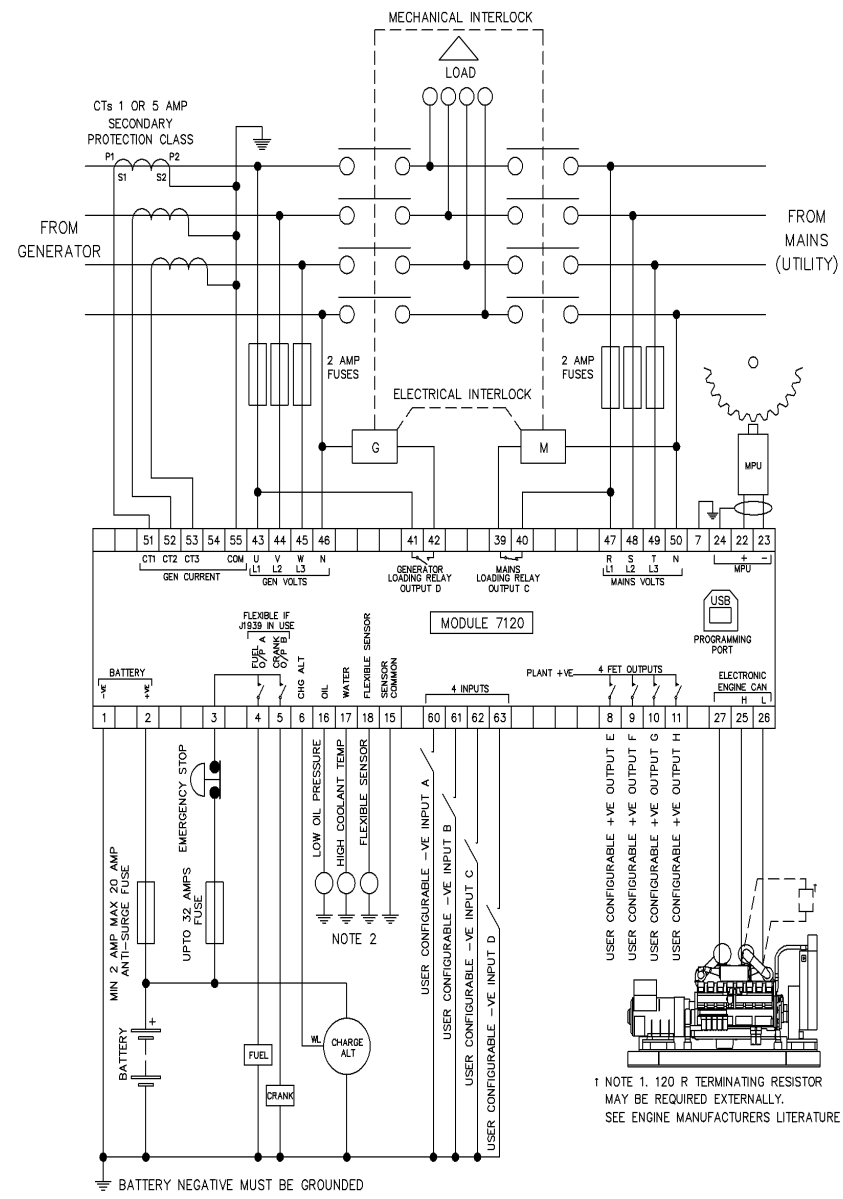
**DIMENSIONS**

240.0mm x 181.1mm x 41.7mm  
 (9.4" x 7.1" x 1.6")

**PANEL CUTOUT**

220mm x 160mm  
 (8.7" x 6.3")

**TYPICAL WIRING DIAGRAM**



TERMINALS SUITABLE FOR 22-16 AWG (0.6mm - 1.3mm) FIELD WIRING TIGHTENING TORQUE = 0.8Nm (7lb-in)

NOTE 2  
 THESE GROUND CONNECTIONS MUST BE ON THE ENGINE BLOCK, AND MUST BE TO THE SENDER BODIES. THE GROUND WIRE TO TERMINAL 15 MUST NOT BE USED TO PROVIDE A GROUND CONNECTION TO ANY OTHER DEVICE



**DSE7120 INSTALLATION INSTRUCTIONS**

**ACCESSING THE FRONT PANEL CONFIGURATION EDITOR**

Ensure the engine is at rest and the module is in stop mode by pressing the stop/reset button.  
 Press the stop/reset and down buttons simultaneously.  
 The configuration icon is displayed, along with the first configurable parameter.

**EDITING A PARAMETER**

Press or to select the required 'page' as detailed in the configuration tables.  
 Press to select the next parameter or to select the previous parameter within the current page.  
 When viewing the parameter to be changed, press the button. The value begins to flash.  
 Press or to adjust the value to the required setting.  
 Press the save the current value, the value ceases flashing.  
 Press and hold the button to exit the editor, the configuration icon will be removed from the display.

**NOTE:-** Large values can be changed quicker by holding the or buttons for a prolonged period. Large values can be changed quicker by holding the buttons for a prolonged period. For instance large timers increment in 1 second steps to 1 minute, then in 30 second steps to 1 hour, then in 30 minute steps.

**NOTE:-** Engine type selection is factory set for a conventional diesel engine. Other types are selected using the DSE Configuration Suite.

<p><b>Deep Sea Electronics Plc.</b>          Tel: +44 (0)1723 890099          Fax: +44 (0)1723 893303          LO CALL (from UK BT landlines)          Telephone 0845 260 8933          Email: support@deepseapl.com          Web: www.deepseapl.com</p>	<p><b>Deep Sea Electronics inc.</b>          Phone: +1 (815) 316-8706          Fax: +1 (815) 316-8708          TOLL FREE (USA only):          Tel: 1 866 636 9703          Email: dsesales@deepseausa.com          Web: www.deepseausa.com</p>
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