



DSE4420 INSTALLATION INSTRUCTIONS

This instruction sheet is for DSE4420 MKII controllers only. For DSE4420 controllers below version 2 use DSE publication 053-056

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 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: - pressing and holding the +/- buttons will give auto-repeat functionality. 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.

DIMENSIONS AND MOUNTING

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

DIMENSIONS

180mm x 116mm x 42mm
(7.1" x 4.6" x 1.7")

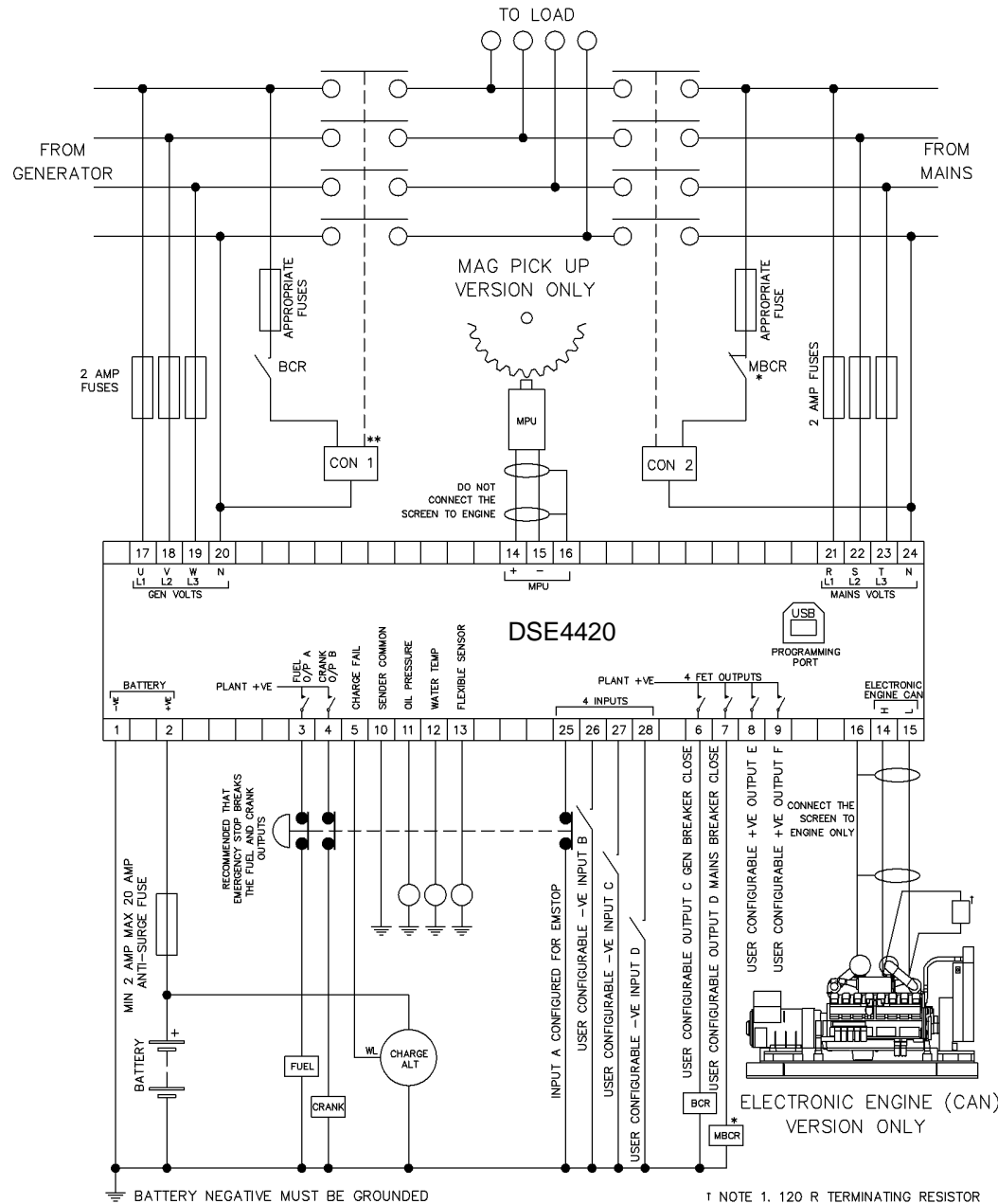
PANEL CUTOUT

154mm x 98mm
(6" x 3.9")

Deep Sea Electronics Plc.
Tel: +44 (0)1723 890099
Fax: +44 (0)1723 893303
Email: support@deepseapl.com
Web: www.deepseapl.com

Deep Sea Electronics inc.
Phone: +1 (815) 316-8706
Fax: +1 (815) 316-8708
TOLL FREE (USA only):
Tel: 1 866 636 9703
Email: support@deepseausa.com
Web: www.deepseausa.com

OUTPUT SOURCE LIST	
0	Not used
1	RESERVED
2	Arm safety on alarms
3	Audible alarm
4	Battery over volts warning
5	Battery under volts warning
6	Can ECU data fail
7	Can ECU error
8	Can ECU fail
9	Can ECU power
10	Can ECU stop
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	RESERVED
23	RESERVED
24	RESERVED
25	RESERVED
26	RESERVED
27	RESERVED
28	RESERVED
29	Emergency stop
30	Energise to stop
31	RESERVED
32	RESERVED
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	RESERVED
43	RESERVED
44	RESERVED
45	RESERVED
46	RESERVED
47	Open gen output
48	Open gen output pulse
49	Open mains output
50	Open mains output pulse
51	RESERVED
52	RESERVED
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	RESERVED
60	RESERVED
61	Waiting for manual restore
62	Flexible sender High Shutdown
63	Flexible sender High Warning
64	Flexible sender Low Warning
65	Flexible sender Low Shutdown



44xx - 02 (CAN option) only
44xx - 01 (Magnetic pickup option) only



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

**NOTE 3. IT IS RECOMMENDED THAT THE GENERATOR AND MAINS SWITCHING DEVICES ARE MECHANICALLY AND ELECTRICALLY INTERLOCKED.

1 NOTE 1. 120 R TERMINATING RESISTOR MAY BE REQUIRED EXTERNALLY. SEE ENGINE MANUFACTURERS LITERATURE

* NOTE 2. MAINS BREAKER CLOSED OUTPUT SHOULD BE CONFIGURED FOR DE-ENERGISE CLOSE MAINS, AND USE THE NORMALLY CLOSED CONTACTS OF MBCR

