



DSE4420 MKII 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

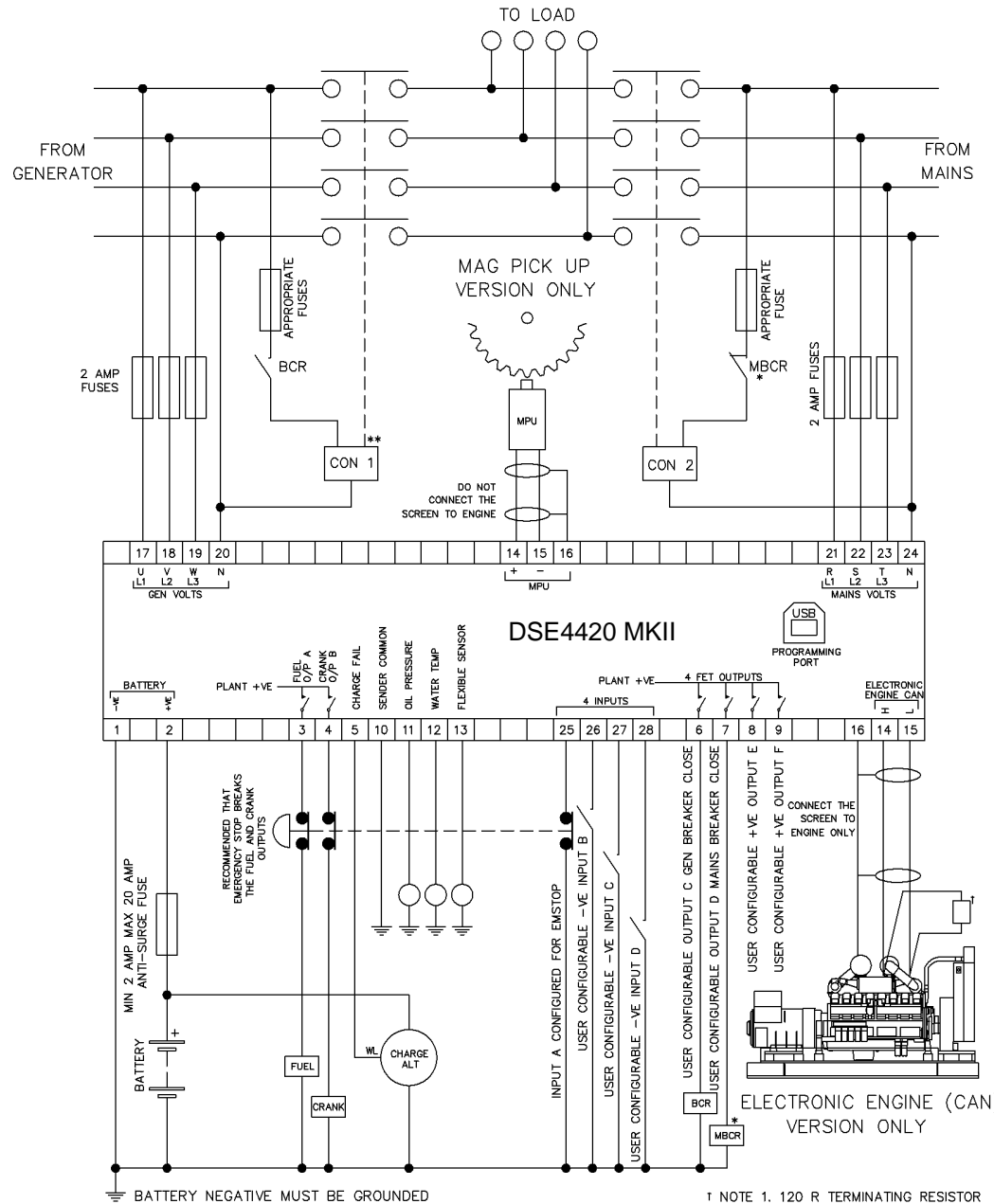
154mm x 98mm
(6" x 3.9")

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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	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	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 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

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