

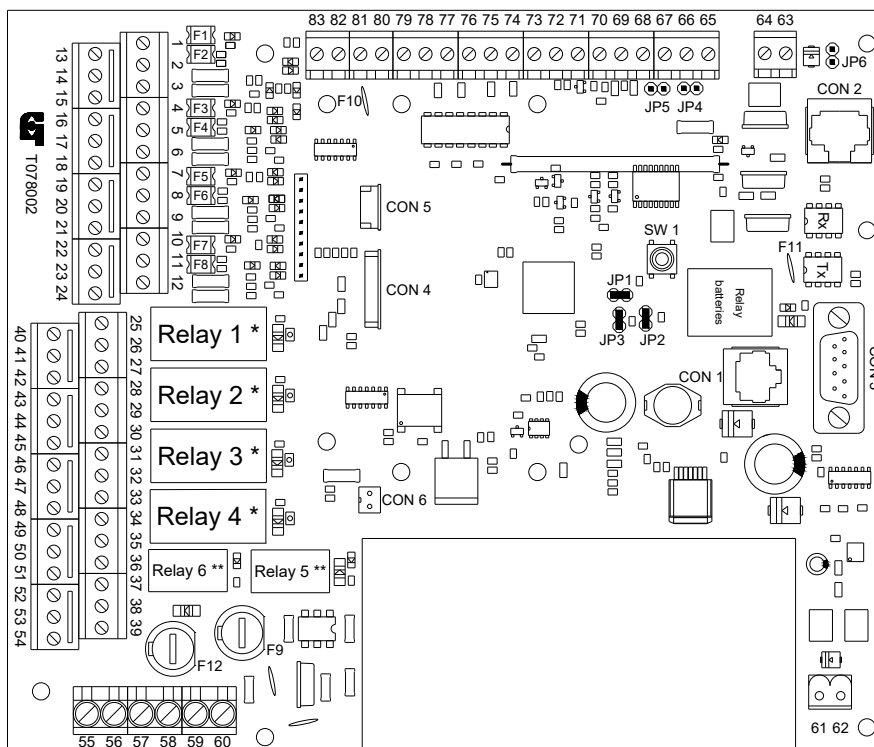
Connection terminals MD780 - 8-zone gas & CO detection control panel

Fuses	
F1 - F8: Multifuse	Zone 1 - 8
F9: T1AL****	230VAC Solid state output
F10: Multifuse	27V Out (500mA)
F11: Multifuse	27V Battery (1.1A)
F12: T1.25AL*****	230VAC in

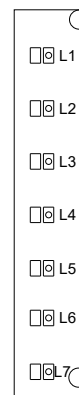
Connectors	
CON1	Do not use
CON2	I/O Bus
CON3	PC-Config connection
CON4	Display
CON5	Touchscreen
CON6	Backlight

Jumpers & Switch	
JP1	Permanently closed
JP2	Factory settings
JP3	Calibrate touchscreen
JP4	RX Bus termination resistor permanently open
JP5	TX Bus termination resistor permanently open
JP6	Permanently open
SW1	Hardware reset

LEDS	
L1	In operation
L2	Alarm level 1
L3	Alarm level 2
L4	Alarm level 3
L5	Alarm level 4
L6	General failure
L7	Continuous : Out of use Flashing: in test



LED Front



Terminal	Functionality
1	Positive wire zone 1
2	4-20mA Signal wire zone 1
3	Negative wire zone 1
4	Positive wire zone 3
5	4-20mA Signal wire zone 3
6	Negative wire zone 3
7	Positive wire zone 5
8	4-20mA Signal wire zone 5
9	Negative wire zone 5
10	Positive wire zone 7
11	4-20mA Signal wire zone 7
12	Negative wire zone 7
13	Positive wire zone 2
14	4-20mA Signal wire zone 2
15	Negative wire zone 2
16	Positive wire zone 4
17	4-20mA Signal wire zone 4
18	Negative wire zone 4
19	Positive wire zone 6
20	4-20mA Signal wire zone 6
21	Negative wire zone 6
22	Positive wire zone 8
23	4-20mA Signal wire zone 8
24	Negative wire zone 8

Terminal	Functionality
25	N.C. Relay 1.A *
26	C. Relay 1.A *
27	N.O. Relay 1.A *
28	N.C. Relay 2.A *
29	C. Relay 2.A *
30	N.O. Relay 2.A *
31	N.C. Relay 3.A *
32	C. Relay 3.A *
33	N.O. Relay 3.A *
34	N.C. Relay 4.A *
35	C. Relay 4.A *
36	N.O. Relay 4.A *
37	N.C. Relay 6 **
38	C. Relay 6 **
39	N.O. Relay 6 **
40	N.C. Relay 1.B *
41	C. Relay 1.B *
42	N.O. Relay 1.B *
43	N.C. Relay 2.B *
44	C. Relay 2.B *
45	N.O. Relay 2.B *
46	N.C. Relay 3.B *
47	C. Relay 3.B *
48	N.O. Relay 3.B *
49	N.C. Relay 4.B *
50	C. Relay 4.B *
51	N.O. Relay 4.B *
52	N.C. Relay 5 **
53	C. Relay 5 **
54	N.O. Relay 5 **

Terminal	Functionality
55	230Vac IN L
56	230Vac IN N
57	230Vac OUT L
58	230Vac OUT N
59	230VAC Out solenoid valve L ***
60	230VAC Out solenoid valve N ***
61	+ 27V IN
62	0V IN
63	0V Batteries
64	Positive batteries
65	RxB
66	RxA
67	TxB
68	TxA
69	Buzzer black (From V1.04.02)
70	Buzzer yellow (From V1.04.02)
71	Buzzer red (From V1.04.02)
72	0V external input "reset"
73	+27V external input "reset"
74	0V external input "silence"
75	+27V external input "silence"
76	0V external input "power failure"
77	+27V external input "power failure"
78	0V external input "emergency stop"
79	+27V external input "emergency stop"
80	Open Collector 1
81	Open Collector 2
82	0V OUT ****
83	+ 27V OUT ****

(*) Maximum resistive power: 230VAC/2A each contact
Max inductive power or solenoid valve:
80W each contact

(**) Max resistive power: 30VDC/1A

(***) Min 50mA / Max 1A

(****) Max 500mA

(*****) Sand Filled Fuse