



EMS FCX-532-001 Loop Module Installation Guide

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EMS FCX-532-001 Loop Module



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Pre installation



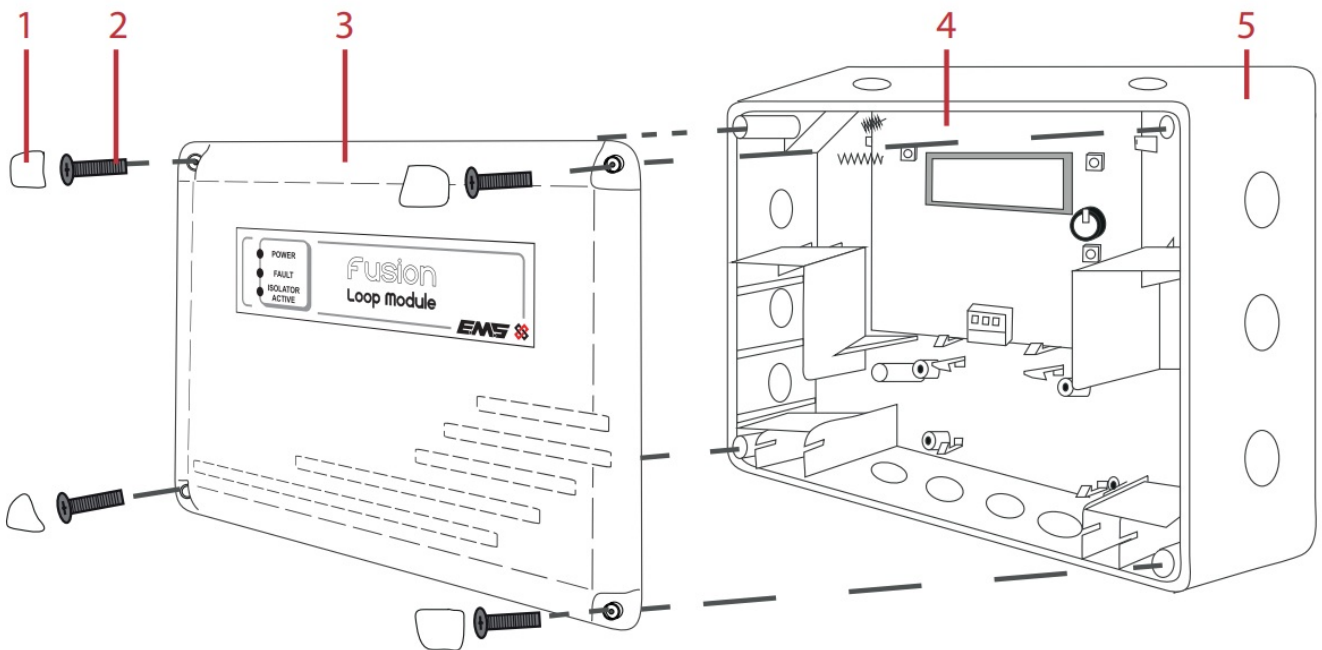
Installation must conform to applicable local installation codes and should only be installed by a fully

trained competent person.

- Ensure the loop module is installed as per the site survey.
- Refer to step 3 to ensure optimized wireless performance.
- If using remote aerials with this product, refer to the remote aerial installation guide (MK293) for more information.
- A maximum of 5 loop modules can be connected per loop.
- This device contains electronics that may be susceptible to damage from Electrostatic Discharge (ESD). Take appropriate precautions when handling electronic boards.

Components

1. 4x corner covers,
2. 4 x lid screws,
3. Loop module lid,
4. Loop module PCB,
5. Loop module back box

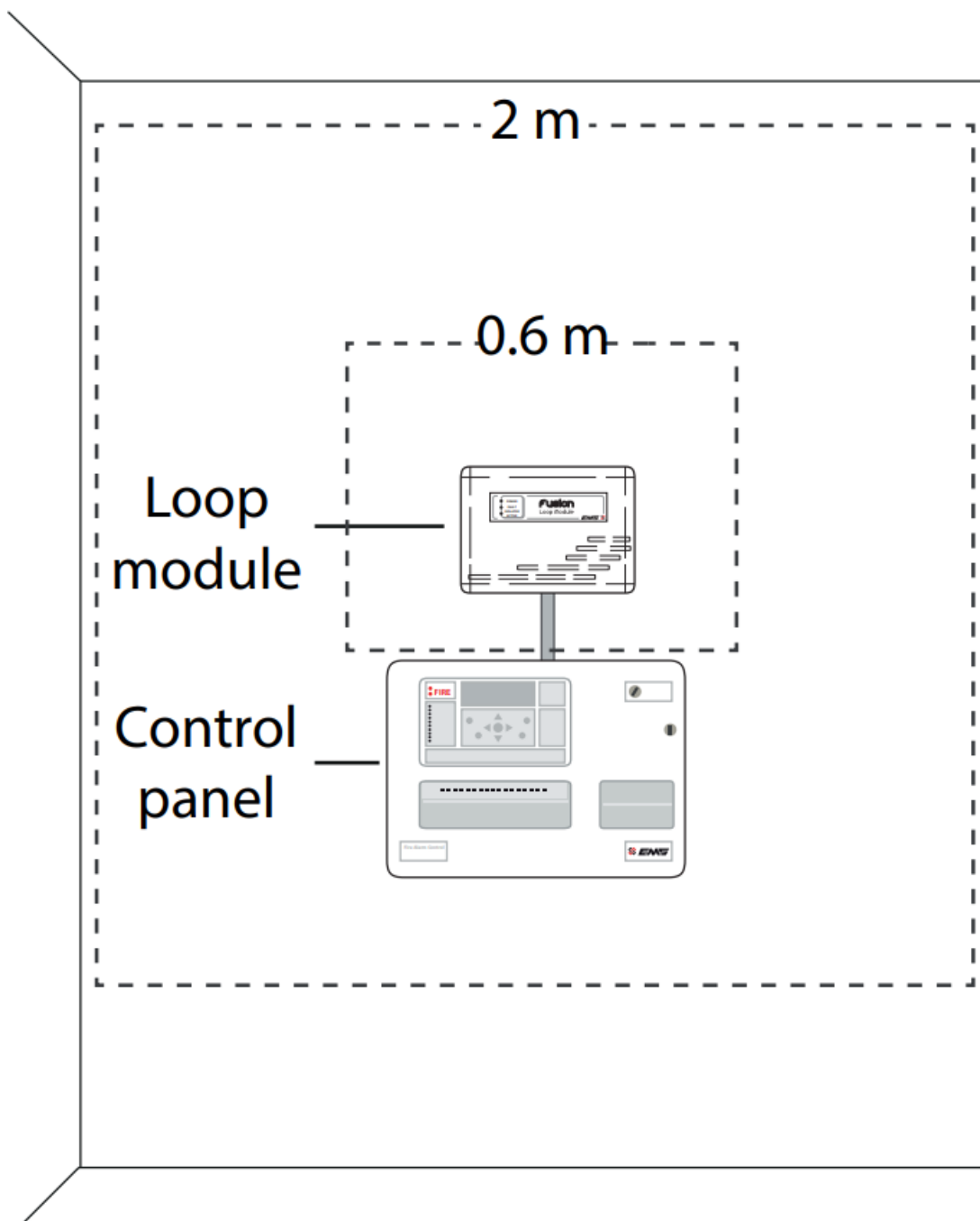


Mounting location guidelines



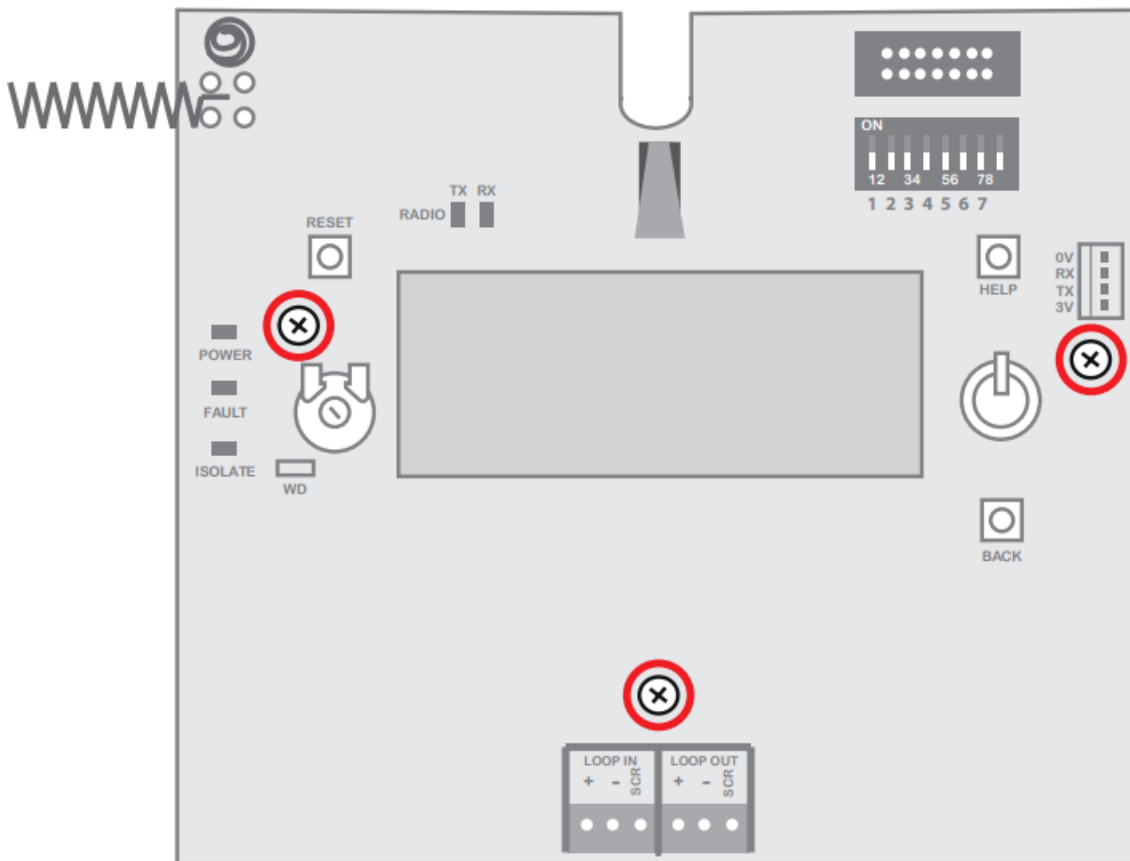
For optimum wireless performance, the following must be observed:

- Ensure the loop module is not installed within 2 m of other wireless or electrical equipment (not including the control panel).
- Ensure the loop module is not installed within 0.6 m of metal work.



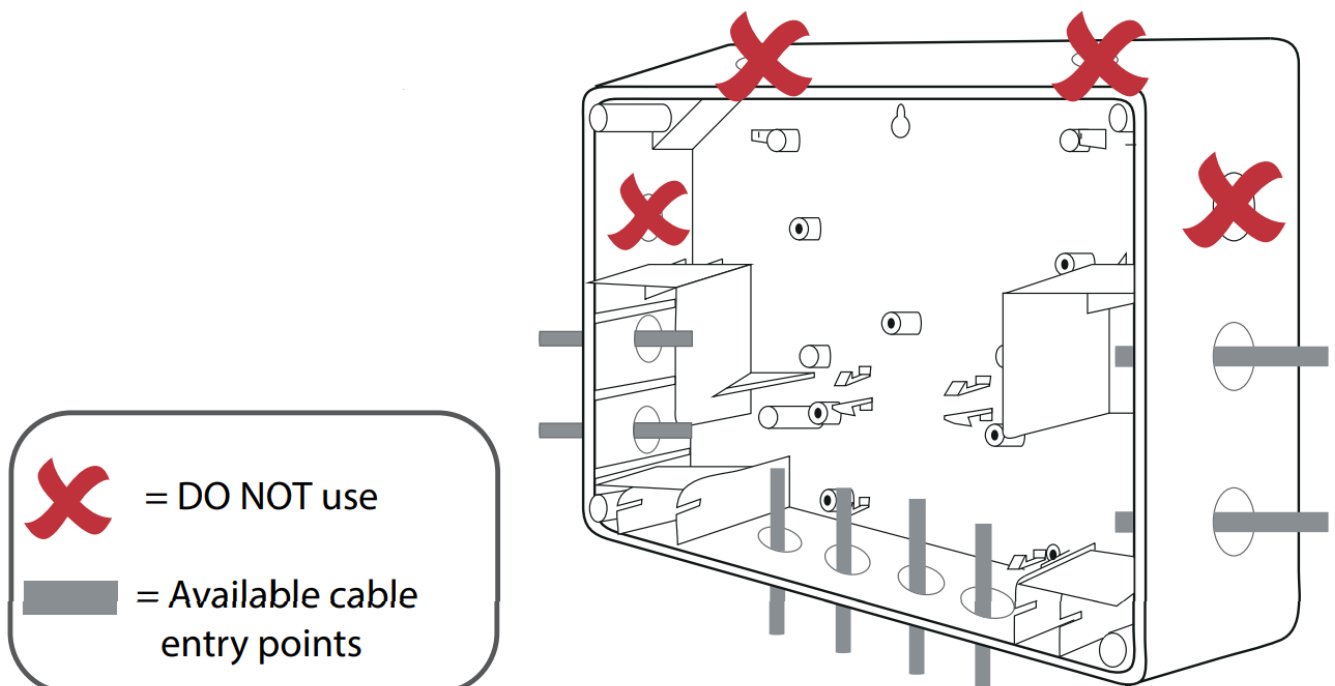
Optional PCB removal

- Remove the three circled retaining screws, before unclipping the PCB.



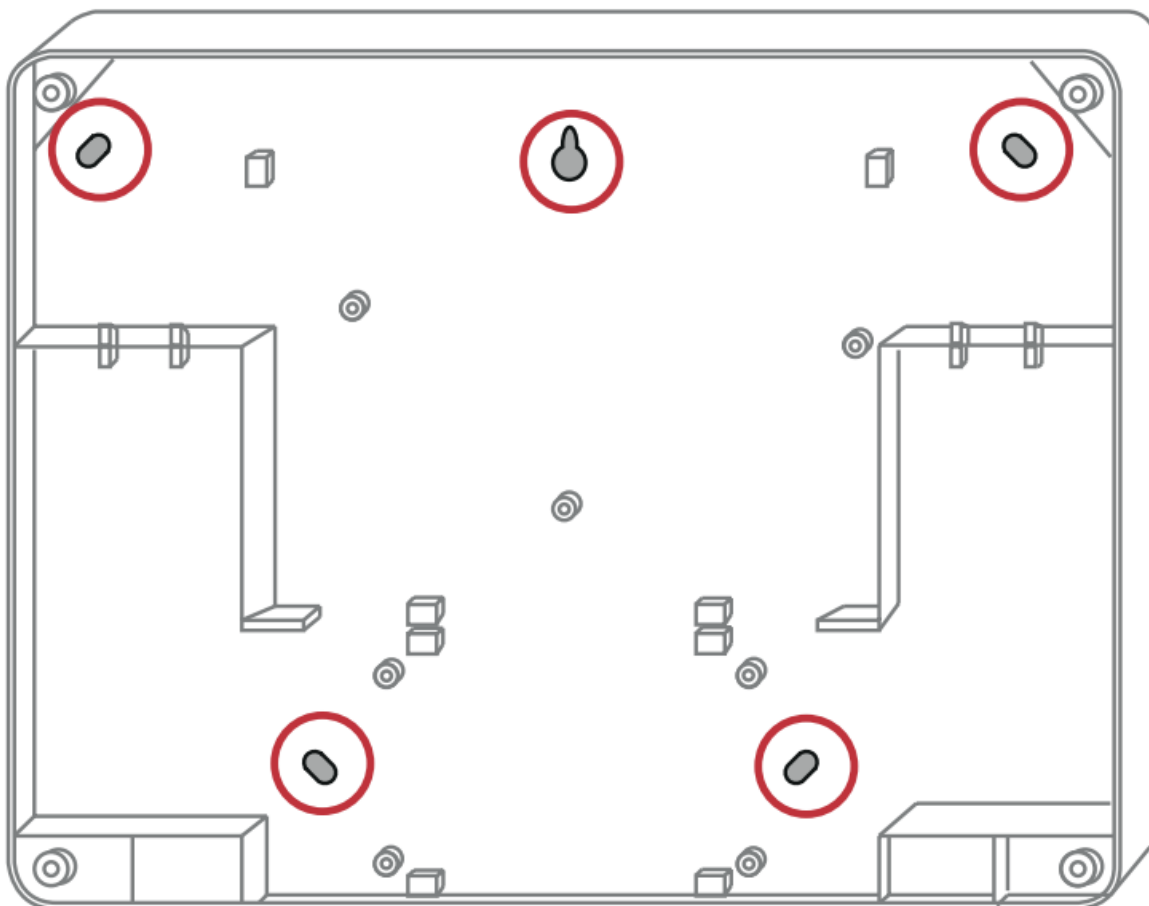
Remove cable entry points

- Drill the cable entry points as necessary.



Fix to the wall

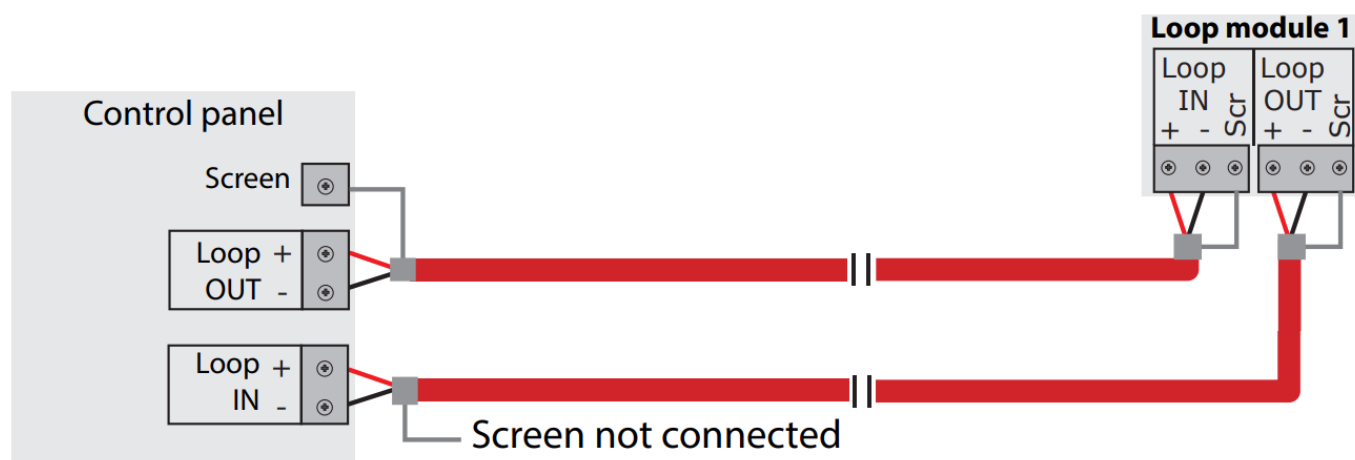
- All five circled fixing positions are available for use as required.
- The key hole can also be used for locating and fixing where required.



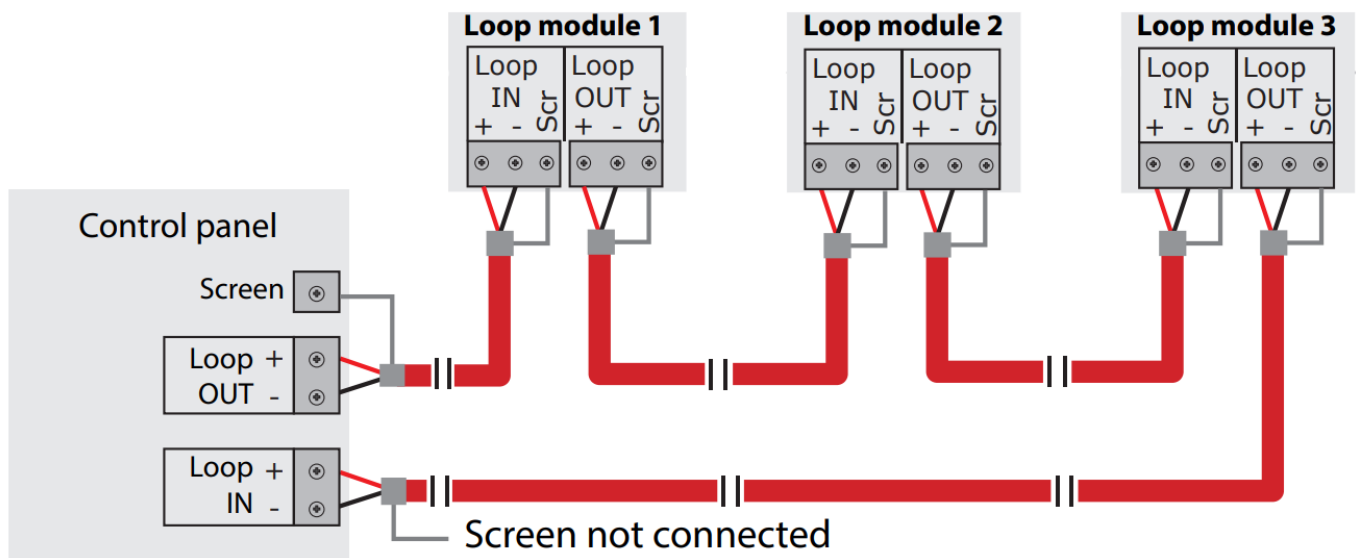
Connection wiring

- Loop cables should only be passed via the access points available.
- Flame retardant cable glands must be used.
- DO NOT leave excess cable inside the loop module.

Single loop module.



Multiple loop modules (max. 5)



Configuration

- Set the loop module address using the on-board 8 way switch.
- Available selections are shown in the table below.

DIL SWITCH SETTING	
Addr.	1.....8
1	10000000
2	01000000
3	11000000
4	00100000
5	10100000
6	01100000
7	11100000
8	00010000
9	10010000
10	01010000
11	11010000

12	00110000
13	10110000
14	01110000
15	11110000
16	00001000
17	10001000
18	01001000
19	11001000
20	00101000
21	10101000
22	01101000
23	11101000
24	00011000
25	10011000
26	01011000
27	11011000
28	00111000
29	10111000
30	01111000
31	11111000
32	00000100
33	10000100

34	01000100
35	11000100
36	00100100
37	10100100
38	01100100
39	11100100
40	00010100
41	10010100
42	01010100
43	11010100
44	00110100
45	10110100
46	01110100
47	11110100
48	00001100
49	10001100
50	01001100
51	11001100
52	00101100
53	10101100
54	01101100
55	11101100

56	00011100
57	10011100
58	01011100
59	11011100
60	00111100
61	10111100
62	01111100
63	11111100
64	00000010
65	10000010
66	01000010
67	11000010
68	00100010
69	10100010
70	01100010
71	11100010
72	00010010
73	10010010
74	01010010
75	11010010
76	00110010
77	10110010

78	01110010
79	11110010
80	00001010
81	10001010
82	01001010
83	11001010
84	00101010
85	10101010
86	01101010
87	11101010
88	00011010
89	10011010
90	01011010
91	11011010
92	00111010
93	10111010
94	01111010
95	11111010
96	00000110
97	10000110
98	01000110
99	11000110

100	00100110
101	10100110
102	01100110
103	11100110
104	00010110
105	10010110
106	01010110
107	11010110
108	00110110
109	10110110
110	01110110
111	11110110
112	00001110
113	10001110
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117	10101110
118	01101110
119	11101110
120	00011110
121	10011110

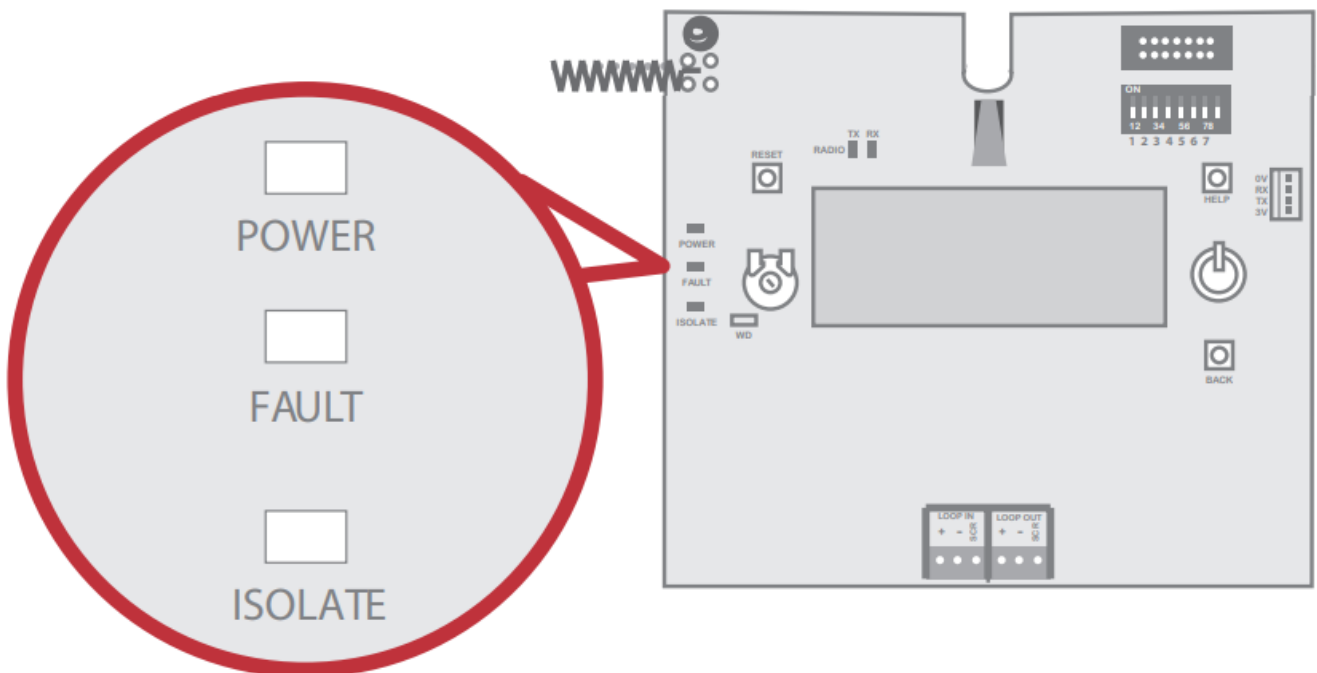
122	01011110
123	11011110
124	00111110
125	10111110
126	01111110

- The system can now be programmed.
- Refer to the Fusion programming manual (TSD062) for details of compatible Fire Cell devices and full programming information.

Apply power

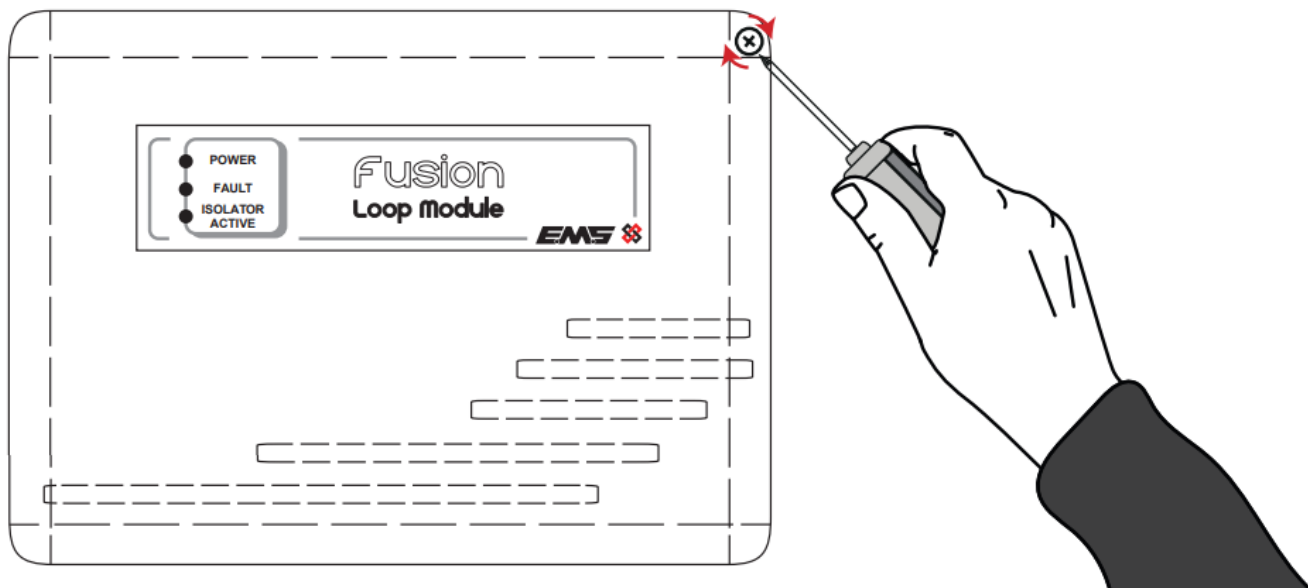
Apply power to the control panel. The normal LED states for the Loop Module are as below:

- The green POWER LED will illuminate.
- The other LEDs should be extinguished.



Close loop module

- Ensure that the loop module PCB is correctly inserted and the PCB retaining screws are refitted.
- Refit the loop module lid, ensuring LEDs are not damaged by the light pipe when refitting.



Specification

Operating temperature -10 to +55 °C

Storage temperature 5 to 30 °C

Humidity 0 to 95% non-condensing

Operating voltage 17 to 28 VDC

Operating current 17 mA (typical) 91mA (max.)

IP rating IP54

Operating frequency 868 MHz

Output transmitter power 0 to 14 dBm (0 to 25 mW)

Signalling protocol X

Panel protocol XP

Dimensions (W x H x D) 270 x 205 x 85 mm

Weight 0.95 kg

Location Type A: For indoor use

Specification Regulatory information

Manufacturer

Carrier Manufacturing Poland Sp. z o.o.
Ul. Kolejowa 24. 39-100 Ropczyce, Poland

Year of manufacture

See devices serial number label

Certification



Certification body

0905

Approved to

EN54-17:2005. Fire detection and fire alarm systems.
Part 17:Short-circuit isolators.

EN54-18:2005. Fire detection and fire alarm systems.
Part 18:Input/output devices.

EN54-25:2008. Incorporating corrigenda September 2010 and March 2012. Fire detection and fire alarm systems.

European Union

EMS declares that this device is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.emsgroup.co.uk

Directives

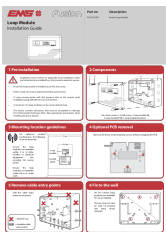


2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see www.recyclethis.info

Dispose of your batteries in an environmentally friendly manner according to your local regulations.



Documents / Resources

	EMS FCX-532-001 Loop Module [pdf] Installation Guide FCX-532-001 Loop Module, FCX-532-001, Loop Module, Module
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References

- [HOME](#)
- [User Manual](#)

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