

EMS FCX-532-001 Fusion Loop Module Installation Guide

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EMS FCX-532-001 Fusion Loop Module

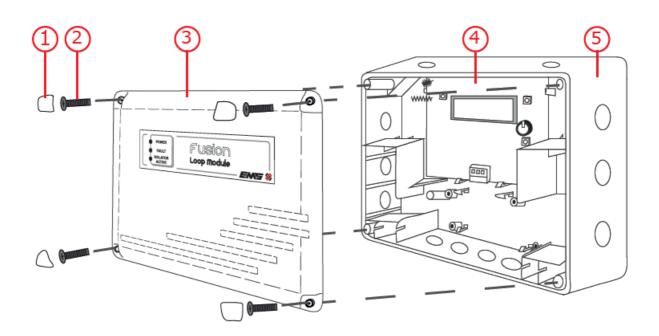


Pre-installation

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 optimised wireless performance.
- If using remote aerials with this product, refer to the remote aerial installation guide 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

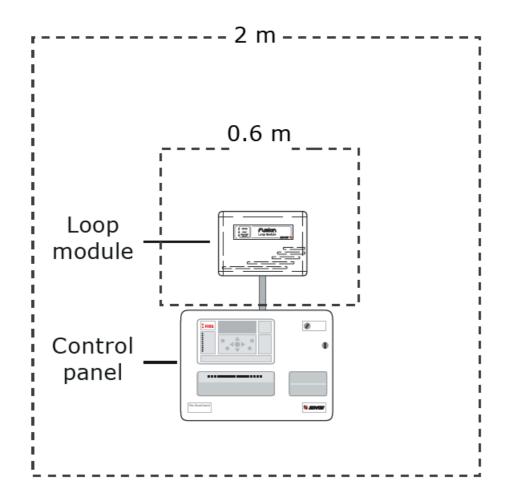


- 1. 4x corner covers
- 2. 4x lid screws
- 3. Loop module lid

- 4. Loop module PCB
- 5. Loop module back box

Mounting location guidelines

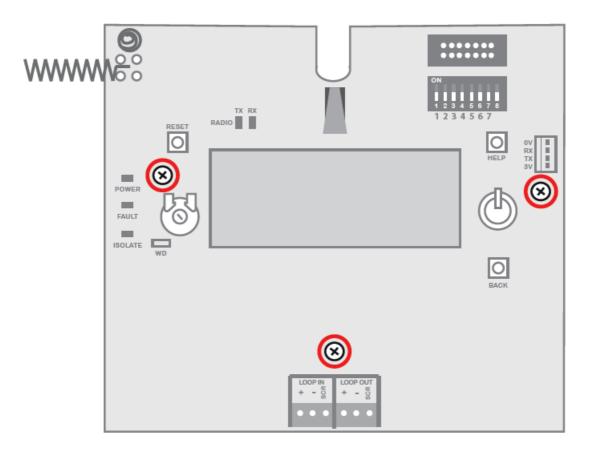
For optimum wireless performance, the following must be observed:



- 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.

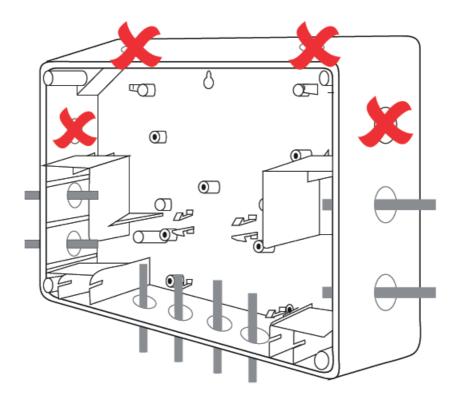
Optional PCB removal

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



Remove cable entry points

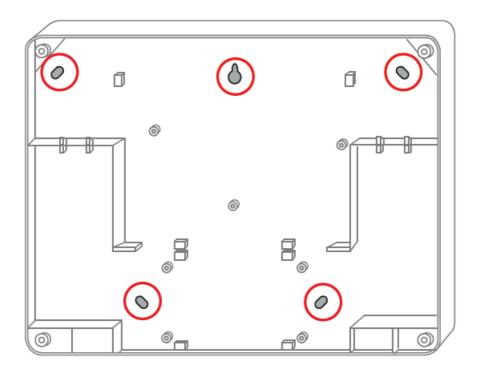
Drill the cable entry points as necessary.



Fix to the wall

• All five circled fixing positions are available for use as required.

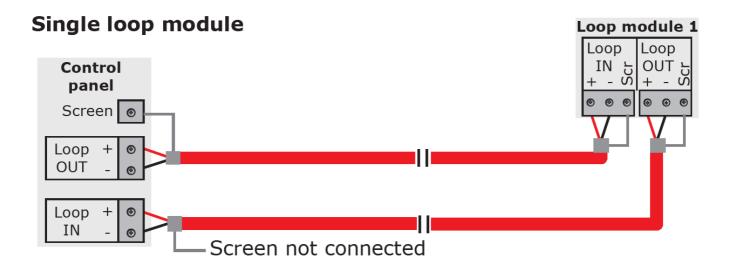
• The key hole can also be used for locating and fixing where required.



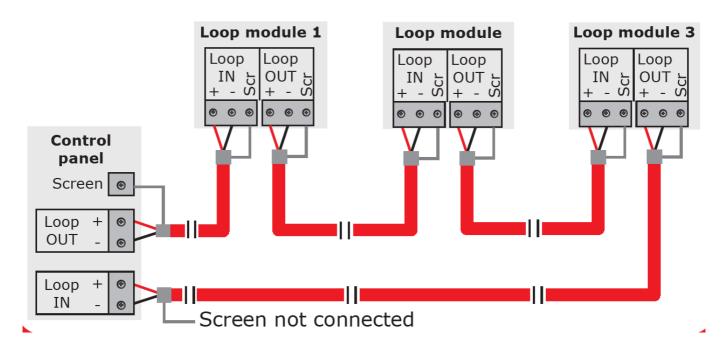
Connection wiring

- 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.

switch setting set		DIL		DIL		DIL		DIL		DIL
addr 1		switch		switch		switch		switch		switch
addr 1		setting		setting		setting		setting		setting
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	59	11011100	69	10100010	79	11110010	89	10011010	99	11000110
	60	00111100	70	01100010	80	00001010	90	01011010	100	00100110
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102 01100110 107 11010110 112 00001110 117 10101110 122 01011110	102	01100110	107	11010110	112	00001110	117	10101110	122	01011110
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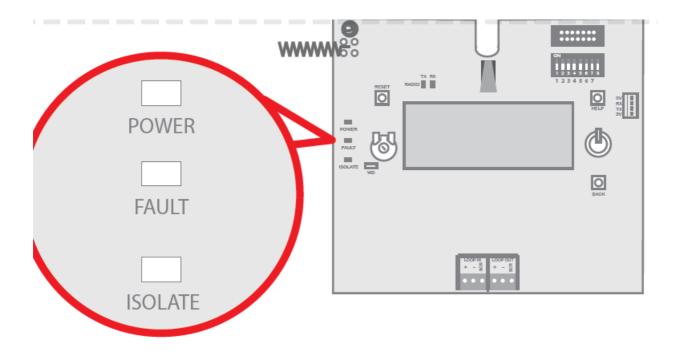
The system can now be programmed.

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

Apply power

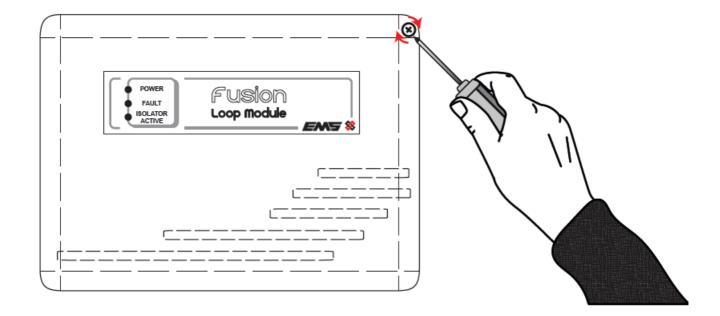
Apply power to the control panel. The normal LED states for the Loop Module are as below:

- 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

• Power requirements: 17 mA at 24 VDC

• IP rating: IP54

• Operating frequency: 868 MHz

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

• Dimensions (W x H x D): 270 x 205 x 75 mm

Weight: 0.95 kg

Location: Type A: For indoor use

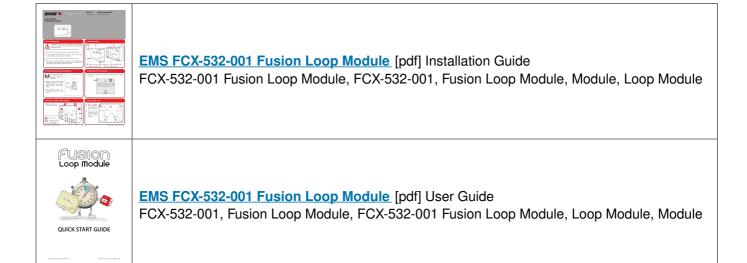
Regulatory information

- Manufacturer: Carrier Manufacturing Polska Sp. Z o.o. Ul. Kolejowa 24. 39-100 Ropczyce, Poland
- Year of manufacture Certification body: See devices serial number label
- CPR DoP: 0359-CPR-0222
- 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 directives: 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

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

Documents / Resources



References

- **8** Leading brand of Wireless Fire alarms systems EMS Firecell
- © <u>HOME</u>

Manuals+, home privacy