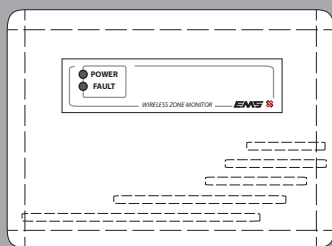# EMS �

Wireless Zone Monitor Installation Guide
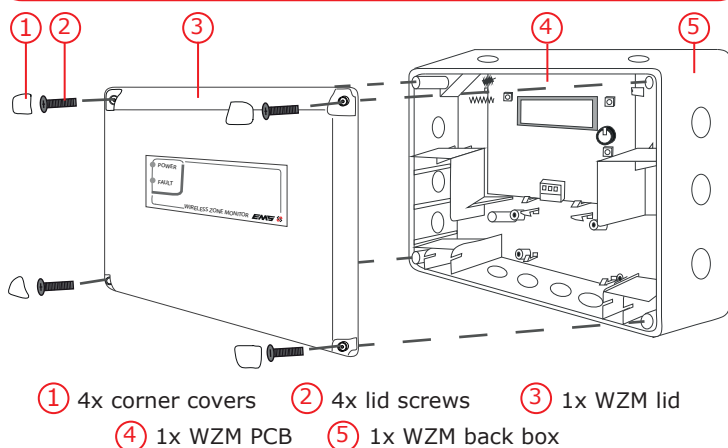

Pre Installation

⚠️ Installation must conform to applicable local installation codes and should only be installed by a fully trained competent person.

- Ensure the WZM is installed as per the site survey.

- Refer to step 3 to ensure optimised wireless performance.

- Refer to the wireless zone monitor engineers guide *(TSD143)* for full programming details.

- This device contains electronics that may be susceptible to damage from Electrostatic Discharge (ESD). Take appropriate precautions when handling electronic boards.
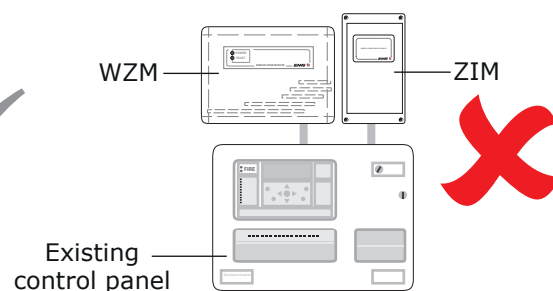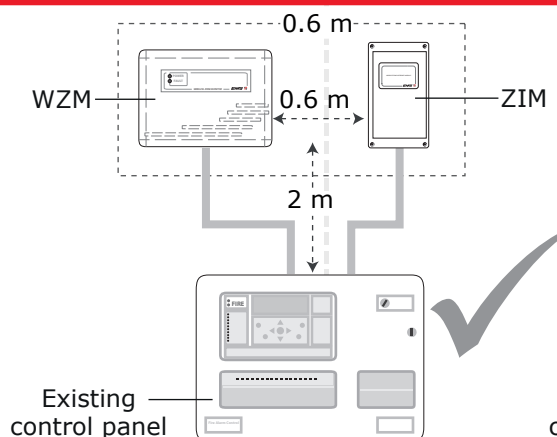
2 Components

① 4x corner covers   ② 4x lid screws   ③ 1x WZM lid
④ 1x WZM PCB   ⑤ 1x WZM back box
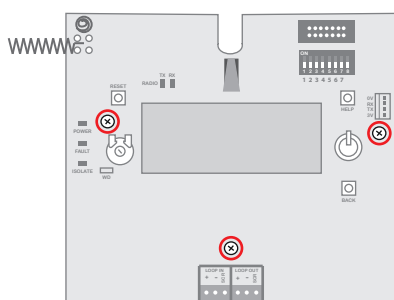
3 Mounting location guidelines

📶 For optimum wireless performance, the following must be observed:

- The WZM and ZIM must be seperated by a minimum of 0.6 m.

- Ensure the WZM is not installed within 2 m of the control panel or any other wireless or electrical equipment.

- Ensure the WZM is not installed within 0.6 m of any metal work.
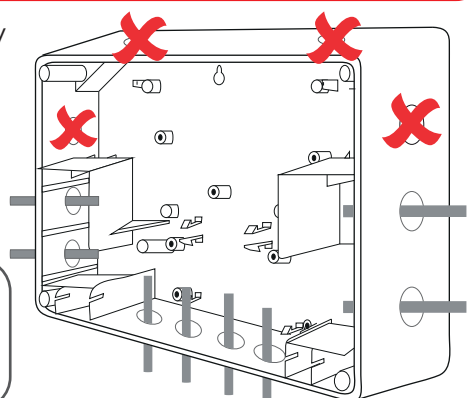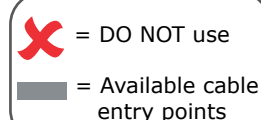

4 Optional PCB removal

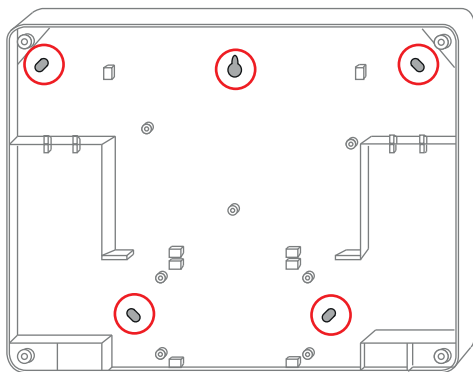- Remove the three circled retaining screws, before unclipping the PCB.

5 Remove cable entry points

- Drill the cable entry points, as necessary.

✖ = DO NOT use
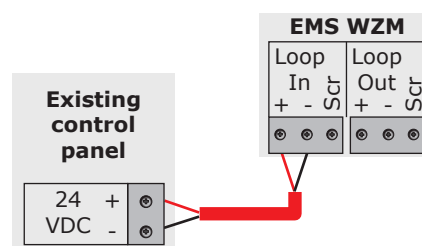
▬ = Available cable entry points

6 Fix to the wall

- All five circled fixing positions are available for use.

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

7 Connection wiring

- Cables should only be passed via the access points available.

- Flame retardant cable glands must be used.
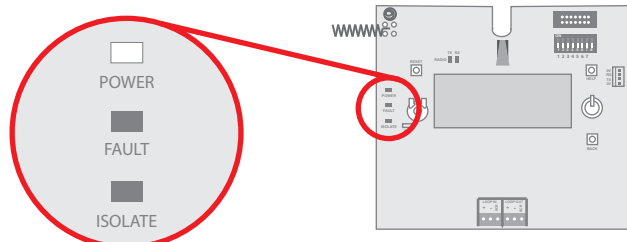
- DO NOT leave excess cable in the WZM.

EMS WZM

Loop In	Loop Out
+ - Scr	+ - Scr

Existing control panel

24 VDC + -

⚠ **Note**

If the WZM is to be powered from a seperate 24 VDC power supply, the power supply should be fault monitored. A wireless input / output unit can be used if required.

8 Applying power

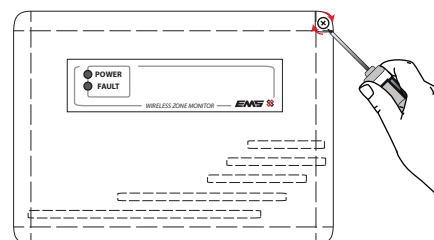Apply power. The normal LED states for the WZM are as below:

- Power LED - green LED will be on.
- Fault LED - yellow LED will be off.

POWER
FAULT
ISOLATE

Note: The isolate LED is not used on this product.

9 Close WZM

- Ensure that the WZM PCB is correctly inserted and the PCB retaining screws are refitted.

- Refit the WZM lid, ensuring LEDs are not damaged by the light pipe when refitting.

POWER
FAULT
WIRELESS ZONE MONITOR — EMS

Specification

Operating temperature	-10 to +55 °C
Storage temperature	5 to 30 °C
Humidity	Up 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	See devices serial number label
Certification	CE 14
Certification body	0905
CPR DoP	0359-CPR-00436
Approved to	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. Part 25: Components using radio links.
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

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