**EMS** �

**FireCell**

# Wireless Detector Installation Guide

| Part No. | Product Description | CPR |
|---|---|---|
| FCX-170-001 | Wireless Detector Base Only | [3] |
| FCX-175-001 | Heat A1R Detector Only | [1] |
| FCX-176-001 | Heat CS Detector Only | [1] |
| FCX-177-001 | Optical Smoke Detector Only | [2] |

See the Specification section for compliance information.

Example shown:
FCX-177-001
FCX-170-001

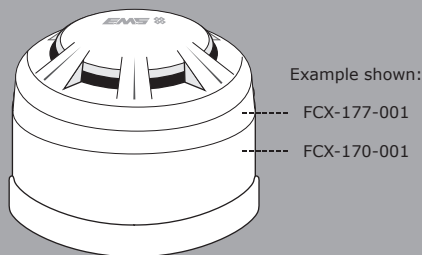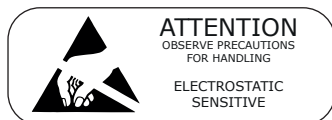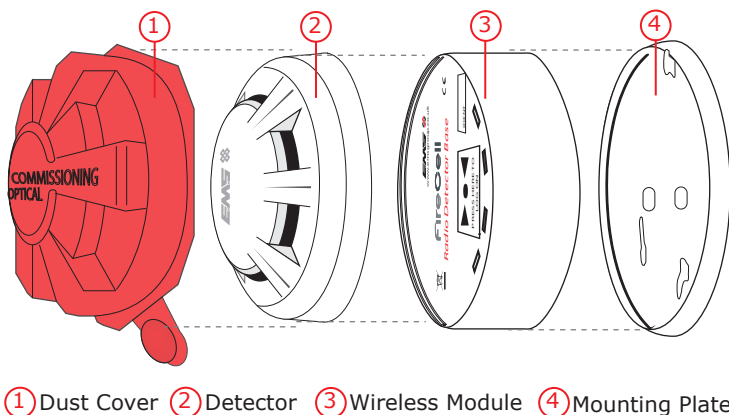## 1 Pre Installation

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

● Ensure that the device is installed as per the site survey.

● The use of a non-metallic spacer should be considered if mounting the device on to a metal surface.

● Do NOT Press the Log On button on a pre-programmed device, as this will cause communication with the Control Panel to be lost. Should this happen, delete the device from the system and add it back on.
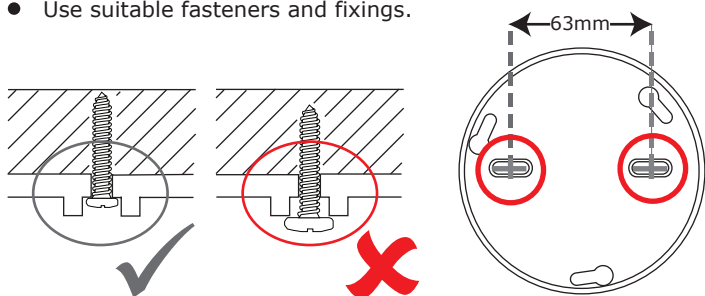
**ATTENTION**
OBSERVE PRECAUTIONS FOR HANDLING

**ELECTROSTATIC SENSITIVE**

## 2 Components

① ② ③ ④

① Dust Cover  ② Detector  ③ Wireless Module  ④ Mounting Plate
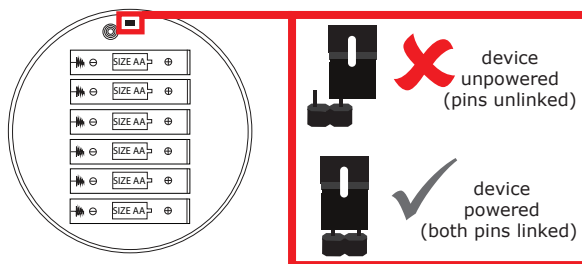
## 3 Fix Mounting Plate

Remove the mounting plate from the wireless module by turning it anticlockwise.

● Use both mounting holes to ensure a firm fixing.

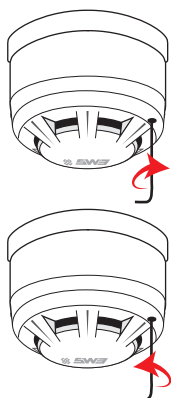● Use suitable fasteners and fixings.

63mm

## 4 Power Device

● When fitting / replacing batteries; observe correct polarity, using only specified batteries.

● Connect the power jumper across the PIN header.

SIZE AA
SIZE AA
SIZE AA
SIZE AA
SIZE AA
SIZE AA

✗ device unpowered (pins unlinked)

✓ device powered (both pins linked)

● Once powered, reassemble the device.

## 5 Optional Device Locking

● To lock the detector into the wireless module, insert a 1.5mm Allen key into the allen key slot and turn clockwise as shown.

● To unlock, insert a 1.5mm Allen key into the Allen key slot and turn anticlockwise as shown.

## 6 Configuration

The device's loop address is configured within the menu structure of the Radio Hub.

● Refer to the programming manual (Doc Ref: MK98) for full programming information.

**EMS** ✖
**FireCell** Programming Manual

Free to download from www.emsgroup.co.uk

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### ⚠ IMPORTANT

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- Remove dust cover before use.

- The device should be tested upon installation and in accordance with local requirements.

- Testing should only be carried out by a fully trained competent person.

- The Manufacturer recommends regular functional testing of at least once per annum or in accordance with local codes of practice.

- Cleaning and repairs must be undertaken by the Manufacturers authorised representative.

- Do not open the case to clean inside the detector.

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## Specification

| | |
|---|---|
| **Operating Temperature** | -10°C to 55°C |
| **Storage Temperature** | 5°C to 30°C |
| **Humidity** | Up to 95% non-condensing |
| **Supply** | 6x AA Alkaline (Panasonic LR6AD Powerline / Varta 4006 Industrial) <br><br> CAUTION! <br> Fitting of an incorrect battery type invalidates the product certification and may result in poor performance. |
| **IP Rating** | IP23 |
| **Operating Frequency** | 868MHz |
| **Output Transmitter Power** | Auto adjusting 0 - 14 dBm (0 - 25 mW) |
| **Dimensions** | 113mm (Ø) 40mm (D) (No detector) <br> 113mm (Ø) 81mm (D) (With detector) |
| **Weight** | 0.40kg (with detector) |
| **Location** | Type A: For indoor use |

| | |
|---|---|
| **Certification** | CE 10 |
| **Certification body** | 0359 |
| **CPR Certificate DOP** | See part listing for associated products: [1]0359-CPR-0015, [2]0359-CPR-0017 & [3]0359-CPR-0041 |
| **Approved to** | See part listing for associated products: <br> EN54-5:2001. Incorporating Amendment No. 1. Fire detection and fire alarm systems. <br> Part 5: Heat detectors - Point Detectors. [1] <br><br> EN54-7:2001. Incorporating Amendment No. 1. Fire detection and fire alarm systems. <br> Part 7: Smoke detectors - Point detectors using scattered light, transmitted light or ionization. [2] <br><br> EN54-25:2008.Incorporating corrigenda September 2010 and March 2012. Fire detection and fire alarm systems. <br> Part 25: Components using radio links. [3] |
| **European Union directives** | EMS Security Group Ltd hereby declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU (R&TTE directive). |
| 🗑 | 2012/19/EU (WEEE directive): <br> 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 <br> Dispose of your batteries in an environmentally friendly manner according to your local regulations. |