



Radio Detector Installation Guide

General

The Radio Detector variants and ancillary equipment are available under the following part numbers;

Part No	Variant Type	CE
FCX-100-001	Radio Optical Detector	0359-CPR-0041 & 0359-CPR-0017
FCX-120-011	Radio Heat CS Detector	0359-CPR-0041 & 0359-CPR-0016
FCX-120-001	Radio Heat A1R Detector	0359-CPR-0041 & 0359-CPR-0015
FCX-130-001	Radio Multisensor Detector	0359-CPR-0041 & 0359-CPR-0018
FCX-170-001	Radio Module Only (No Head)	0359-CPR-0041
FCX-177-001	Optical Head Only	0359-CPR-0017
FCX-176-001	Heat CS Head Only	0359-CPR-0016
FCX-175-001	Heat A1R Head Only	0359-CPR-0015
FCX-174-001	Multisensor Head Only	0359-CPR-0018

Type A: for indoor use

EN54-5:2001 Heat Detectors – Point Detectors (FCX-174-001, FCX-175-001 & FCX-176-001 variants only)

EN54-7:2001 Smoke Detectors – Point Detectors using scattered light (FCX-174-001 & FCX-177-001 variants only)

EN54-25:2008 Component using RF links for the fire detection and fire alarm systems for buildings (FC-170-001 only)

The address of the unit is set when programming the device to the systems Radio Hub (see commissioning manual for details). The installation must conform to BS5839: Part 1 (or applicable local codes).

Installation of Radio Detector

Ensure that all Detectors are sited in accordance with the survey and design details. Wherever practical, the red LED should face the main entrance to the room.

Remove the ceiling mounting plate by turning it counter clockwise. This dis-assembles the mounting plate from the radio module and head. The ceiling mount will now be available for fixing to the ceiling.

Ensure that the Detector head and radio module is suitably stored so as to prevent the possibility of accidental damage.

Fix the ceiling mounting plate to the ceiling using suitable fixings and fasteners. A minimum of two mounting holes must be used. (See Figure 1)

It is important that fastener heads are flush or sub-flush with the internal surface of the ceiling mount to avoid the risk of damaging the battery PCB.

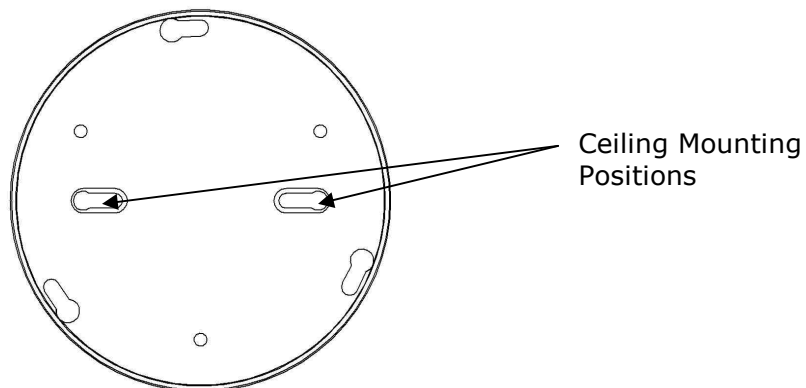


Figure 1

To ensure correct operation, connect the power jumper across the PIN header on the battery pcb located on the rear of the detector, shown below (Figure 2).

The unit is powered by 6 x Duracell AA MN1500 LR6 Alkaline Batteries. These are supplied fitted. Should batteries require replacement please ensure they are inserted to the correct polarity as shown below in Figure 2. Batteries that have been removed must be disposed of in accordance with your country's relevant Waste Electrical and Electronic Equipment (W.E.E.E) regulations.

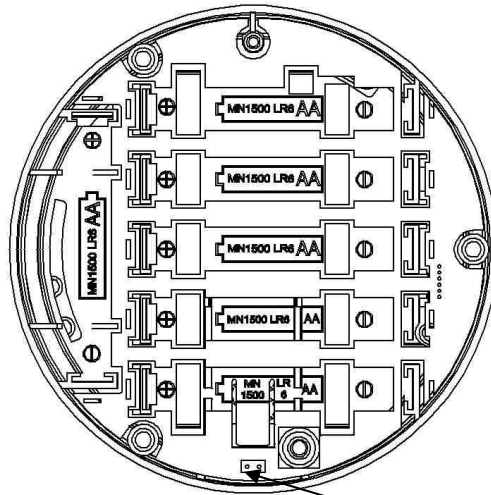


Figure 2 Power Jumper

Please see commissioning manual for log on procedure details.

To reassemble the unit, place the detector and head section into the fixed ceiling mount (ensuring that locating lugs line up) and turn clockwise to achieve a positive location.

Ensure that the tamper switch operates correctly. The switch should make contact with the ceiling mount plate.

On detectors insert Allen key and turn clockwise to lock detector onto mounting plate if required as shown in Figure 3.

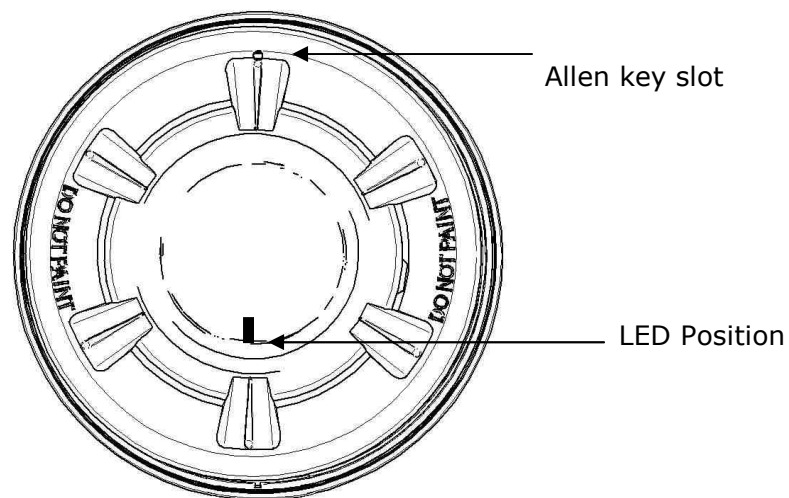


Figure 3