



## Ziton Wireless Multisensor Detector Installation Guide

### General

The Ziton wireless multisensor detector and ancillary equipment are available under the following part numbers:

PART NO	VARIANT TYPE
ZR432-2P	Ziton multisensor wireless detector
ZR401-3P	Ziton wireless module only (no detector head)
ZX432-2P	Ziton multisensor detector head only

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

### Installation of Ziton wireless multisensor 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 first disengaging the detector head by turning it counter clockwise. This exposes the wireless module (shown in Figure 2).

Disengage the mounting plate by pressing down the locking pin (shown in Figure 2) and turning the wireless module counter clockwise whilst pushing it against the ceiling mount.

This dis-assembles the mounting plate from the wireless module and head sections. (See Figure 1). The ceiling mount will now be available for fixing to the ceiling. Ensure that the detector head and wireless 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 3).

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.

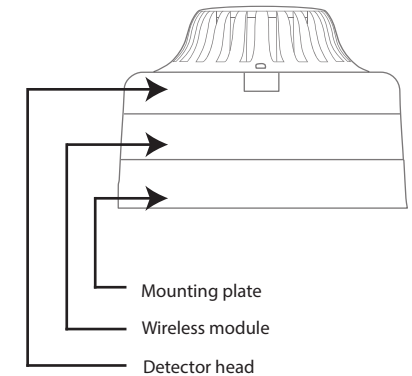


Figure 1

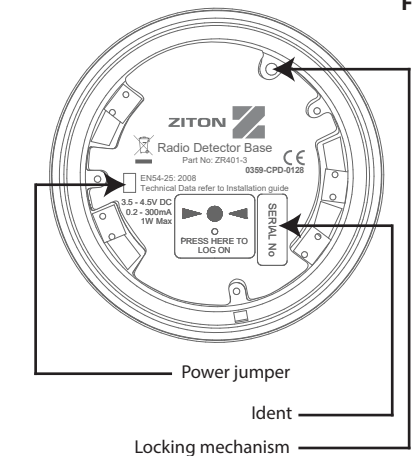


Figure 2

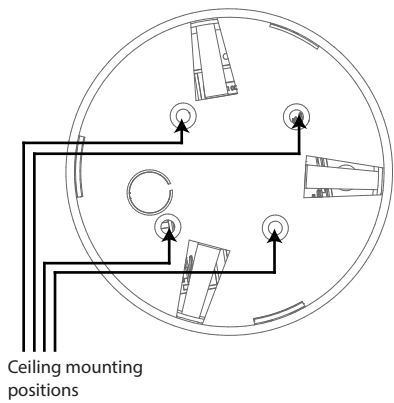


Figure 3

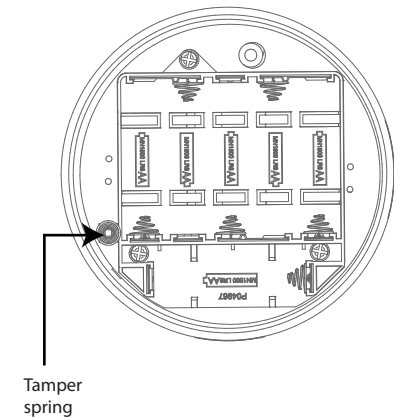


Figure 4

To ensure correct operation, connect the power jumper across the PIN header on the battery PCB located on the front of the detector (shown in Figure 2).

The unit is powered by 6 x AA alkaline batteries. These are supplied fitted. Should batteries require replacement, only use specified batteries whilst observing correct polarity as shown in Figure 4.

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.

Please see programming manual for log on procedure details.

The detector's sensitivity can be set via the detectors DIL switches on the head section (shown in Figure 5)  
Please see ZR432 detector installation sheet for settings.

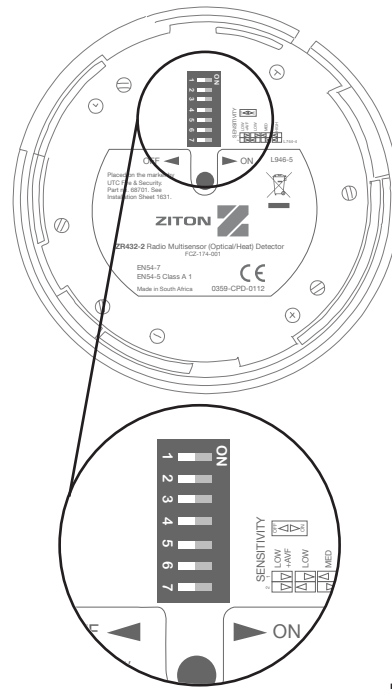


Figure 5

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.

**Please Note:** The final commissioning, detector sensitivity detection settings and hand over of the wireless fire system to the end user is the responsibility of the fire installation contractor.

## Specification

<b>Operating Temperature</b>	-10 to +70°C (ambient)
<b>Storage Temperature</b>	0 to +35°C
<b>Humidity</b>	Up to 95% non-condensing
<b>Supply</b>	6x AA Alkaline (Panasonic LR6AD Powerline / Varta 4006 Industrial)
<b>IP Rating</b>	IP23
<b>Operating Frequencies</b>	868 MHz
<b>Output Transmitter Power</b>	Variable 0-14 dBm
<b>Dimensions</b>	113mm (Ø) 40mm (D) (No detector head) 113mm (Ø) 90mm (D) (With detector head)
<b>Weight</b>	0.30kg (No detector head) 0.40kg (With detector head)

## Regulatory information

<b>Manufacturer</b>	EMS Ltd. Technology House, Sea Street, Herne Bay, Kent, CT6 8JZ, United Kingdom
<b>Year of manufacture</b>	See serial number label inside unit
<b>Certification</b>	CE12
<b>Certification body</b>	0359, 0370
<b>CPR Certificate DOP</b>	0359-CPR-0128 (module) 0370-CPR-1818 (head)

<b>Approved to</b>	EN54-5 EN54-7 EN54-25
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<b>Application</b>	Indoor use only
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<b>European Union directives</b>	EMS declares that the radio equipment type Ziton Wireless Multisensor Detector is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <a href="http://www.utcssecurityproducts.eu/dop/">www.utcssecurityproducts.eu/dop/</a>
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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](http://www.recyclethis.info)  
Dispose of your batteries in an environmentally friendly manner according to your local regulations.

## Contact information

For contact information, see [www.utcfireandsecurity.com](http://www.utcfireandsecurity.com)

