



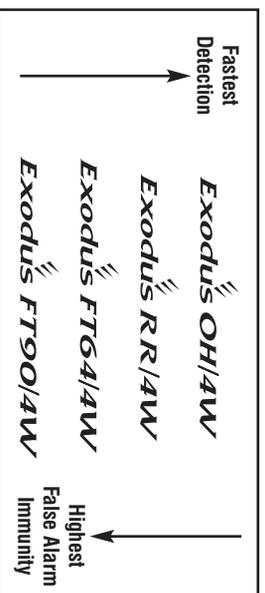
## 8 CHOOSING A LOCATION

**For Indoor Use Only**

Always refer to any local or national guidelines (e.g. BS 5839-1) when choosing a suitable location. In a typical domestic installation at least one detector should be fitted for each level, usually in a central location e.g. hall or landing.<sup>†</sup>

In commercial installations at least one detector should be installed for each area to be protected.

Always use the most suitable detector for the environment (see Section 7).<sup>†</sup>



## 10 WIRING

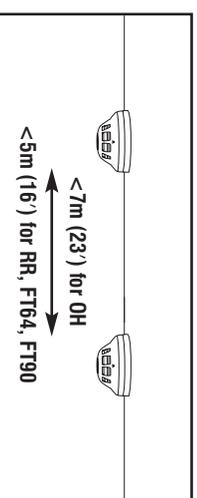
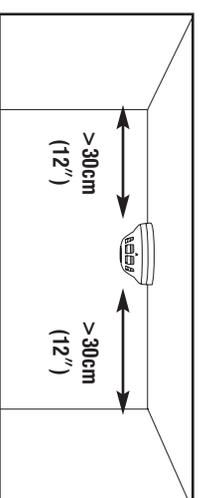
The *Exodus 4W Series* are designed for connection to a security panel. See Section 5 for connections.

### Connect to a 24hr fire zone on panel

- A:** Normally closed relay, open on detection of fire, loss of power, removal of detector or test passed.
- B:** }
- C:** No connection (can be used as 'loop through').
- D: 0V** } Connect to 12V auxiliary power supply on panel.
- E: +12V** }
- F:** Latch Input (see Section 11).

## 11 LATCH INPUT

Fit the detector in the centre of the ceiling, at least 30cm (12") from the edge of the wall.<sup>†</sup>



In larger rooms fit a smoke detector at least every 7m (23) or a heat detector at least every 5m (16). Where obstructions are present additional detectors may be required.<sup>†</sup>

The *Exodus 4W Series* can be configured as either auto reset or latching depending on how the Latch Input is wired.

### Latch Input:

**No Connection or 0V:** Auto reset (detector automatically resets after the smoke or heat has gone).

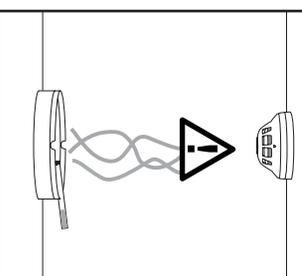
**+12V:** Latching (after a detection the unit will stay in alarm until power is removed or the Latch Input is taken momentarily low).

### IMPORTANT:

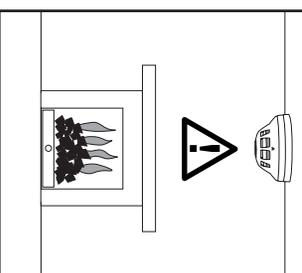
A latched detector is held in alarm state and cannot signal a new occurrence of a fire until it has been reset. Always ensure detectors are reset following an activation. Instruct the end user accordingly.

## Avoid Common False Alarm Sources

For optical and heat multisensors do not install near sources of steam, condensation or smoke (e.g. from cigarettes).

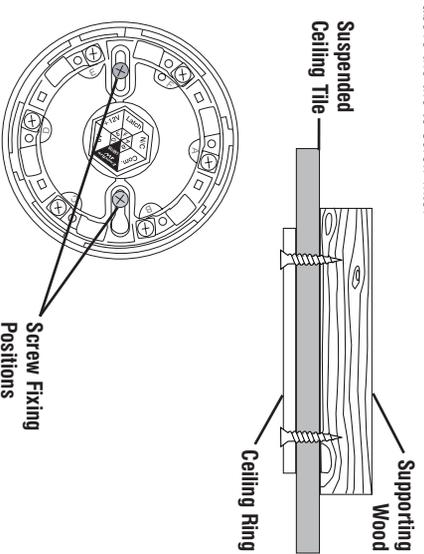


For heat detectors do not install close to natural heat sources (e.g. above a cooker or fire place).



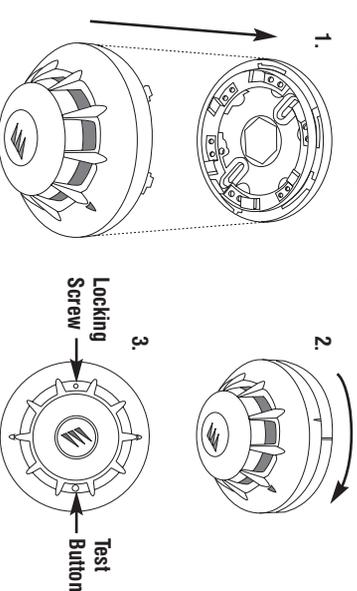
## 9 FIXING THE CEILING RING

Using the ceiling ring as a template mark out the position and drill two holes. When fitting to suspended ceiling tiles it may be helpful to place a piece of wood above the tile to screw into.



## 12 FITTING THE DETECTOR TO THE CEILING RING

1. Push the detector upwards against the ceiling ring.
2. Rotate the detector clockwise until it clicks firmly into place.
3. To lock the detector head in place turn the hexagonal locking screw clockwise several times, using a 1.5mm hexagonal key.



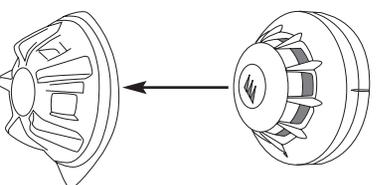
### CAUTION:

1. Never paint the *Exodus* detectors. Always instruct the end user not to paint the detectors, and ensure that they remain dust free.
2. Excessive dust build up can lead to increased sensitivity and false alarms. The *Exodus OH/4W* incorporates electronic drift compensation to reduce the effects of dust build up however excessive exposure should be avoided. Always cover or remove the detector during any building work. Be sure to uncover or replace the detector on completion. Instruct the end user accordingly.

## 13 REMOVE DUST COVER BEFORE COMMISSIONING

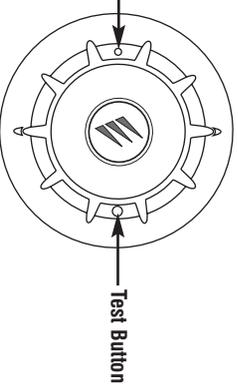
The *Exodus 4W Series* comes fitted with a protective dust cover. This is to prevent dust and dirt getting into the detector and affecting the sensitive electronics. The cover should be kept in place during installation and while any building work is done.

The cover must be removed before the detector is made operational.



## 14 COMMISSIONING & TESTING

**Locking Screw**



**Test Button**

After applying power allow 1 minute for the detector to adjust to its environment. During normal operation of the detector the LEDs will blink every 8 seconds. After 1 minute press and hold the test button. The LEDs should light and the relay open. Confirm that the panel has detected the relay opening. The test button checks that the optical chamber is working correctly on the *Exodus OH/4W*, and that the thermistor is present on all models.

Always refer to local guidelines for test requirements and strategies.

Ideally the *Exodus OH/4W* should be tested with smoke. Specially designed smoke test units are available. The *Exodus RR/4W*, *FT64/4W* and *FT90/4W* can be tested with a hot air gun. Care should be taken not to damage the plastic.

Detectors should be tested on a regular basis.<sup>†</sup> Ensure latching detectors are reset after testing.

In normal operation the detection LEDs blink momentarily every 8 seconds. The microprocessor automatically compensates for a gradual increase in scatter signal due to contamination e.g. dust build up. If excessive dust occurs or the micro fails its automatic self test then the LED will blink every 2 seconds. In these circumstances remove the detector head and vacuum around the outside of the mesh (do not dismantle the detector). If this fails to cure the problem, the detector should be replaced.

<sup>†</sup> Always refer to any local or national standards (e.g. BS 5839-1) for requirements and recommendations.