

Introduction:

Fire detection systems that function normally even if a detector head has been removed require a diode to be fitted to the positive connections of the mounting base.

The TimeSaver Diode Base fitted with a diode is marked with 'OD'

The diode is factory-fitted at the back of the base between the IN+ and OUT+ terminals.

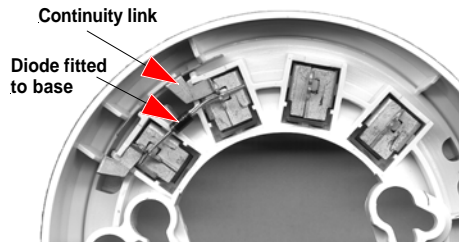


Figure 1: Diode Fitted to the TimeSaver Base

Installation:

1. Activate the locking mechanism if the detector is to be locked into the base. To do this, remove the small portion of the base shown in Figure 3 with side cutters or a similar tool.
2. Use the base as a template to mark the mounting surface then partially screw two screws into the surface at the required centers.
3. Bring the cabling into the terminals through the centre of the base. Bring the cabling into the terminals through the centre of the base. Place the corresponding slots of the base over the screws and slide the base into its home position. Tighten up the screws
4. Cable to the base as shown in Figure 2. The earth terminal is provided for connecting the screen or functional earth as required.

NOTE: DO NOT FIT THE DETECTOR TO THE BASE UNTIL THE CIRCUIT HAS BEEN TESTED

5. The outside of the base is marked with a molded vertical line to indicate the position of the LED when the detector has been fitted. This facilitates detector orientation if required.
6. When all the bases have been fitted a voltage test for wiring continuity may be carried out. The base is fitted with a continuity link which automatically opens when a detector is fitted to the base for the first time. Once satisfied the circuit is wired correctly fit the detectors.

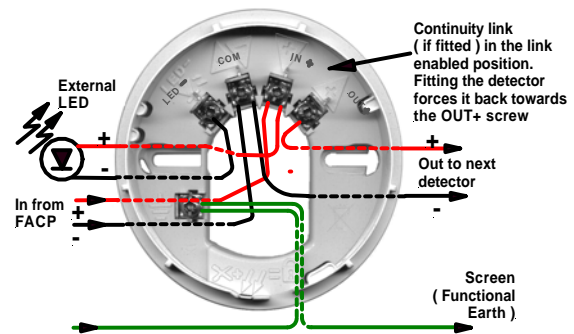


Figure 2: Wiring Diagram showing Single Remote LED

To connect more than one base to a single remote LED wire as shown above and common all associated LED – ve terminals.

Unlocking the detector:

If the detector is locked, it can be unlocked from the base by inserting a 1.5mm hexagonal driver into the small hole on the detector face and gently levering the handle of the driver outward whilst rotating the detector anti-clockwise.

Non Locking Base Conversion:

If the locking mechanism of the Orbis TimeSaver Diode base has been activated in error the base may be converted to a permanently non-locking base by removing the detector and cutting out the small portion of the rim marked with a cross-hatch in Figure 1.

Observe anti-static precautions at all times

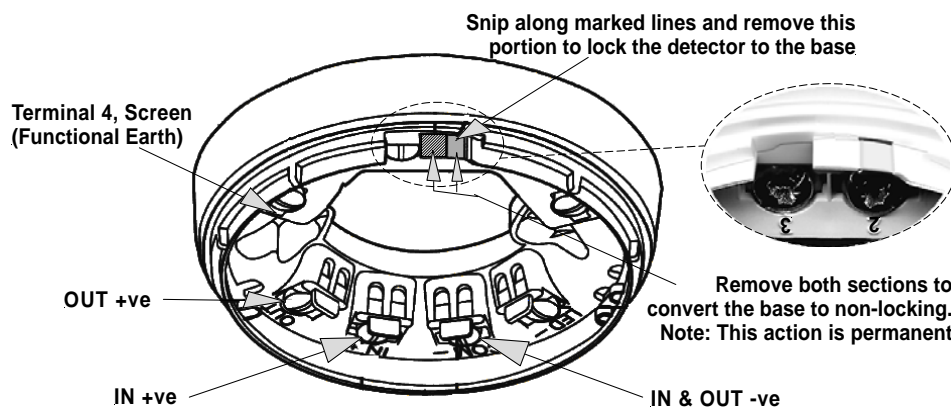


Figure 3: Orbis Base Locking Mechanism