

Fig 2 Wiring diagram

**Unlocking the detector**

To unlock the detector from the base, insert a 1.5mm hexagonal driver (part no 29600-095) into the small hole on the detector face and gently lever the driver outwards whilst rotating the detector anti-clockwise.

**TimeSaver Diode Base/TimeSaver Diode Base LX**

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

The TimeSaver base fitted with a diode is marked with 'OD' and the TimeSaver Diode Base LX is marked with 'DX' to distinguish them from standard bases. The diode is factory-fitted at the back of the base between the IN+ and OUT+ terminals.

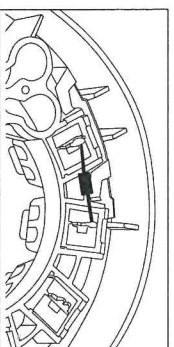


Fig 3 Diode fitted to TimeSaver Base

For technical data refer to Product Guide PP2147 held by manufacturer.



# orbis

## TimeSaver Base Wiring Guide

1. Activate the locking mechanism if the detector is to be locked into the base. To do this, remove the small portion of plastic shown in Fig 1 with side cutters or similar tool.
2. Partially screw two screws into the mounting box or soffit at the required centres. Place the corresponding slots of the base over the screws and slide the base home. Tighten up the screws.
3. Fig 1 shows the wiring terminals. The terminal marked '4' on the base is provided for connecting the screen or functional earth.
4. The outside of the base is marked with a moulded vertical line to indicate the position of the LED when the detector has been fitted. This facilitates detector orientation if required.
5. 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.
6. **TimeSaver Base LX/TimeSaver Diode Base LX**  
These bases do not have the continuity link.

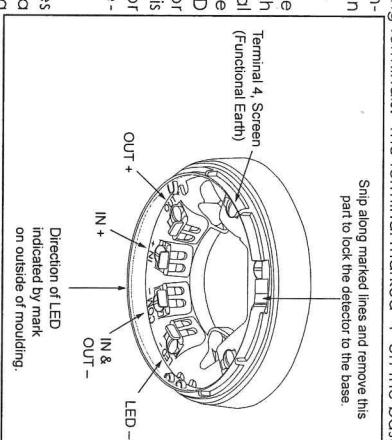


Fig 1 The Orbis base terminals

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**Unlocking the detector**

If the detector is locked, it can be unlocked from the base inserting a 1.5mm hexagonal driver (part no 29600-095) into the small hole on the detector face and gently levering the handle of the driver outwards whilst rotating the detector anti-clockwise.

If the locking mechanism of the Orbis TimeSaver base has been activated in error the base may be converted back to a non-locking base by removing the detector and cutting out the small portion of plastic marked with a cross-hatch in Fig 1. It is now permanently a non-locking base.

**Technical Data**

|                       |                |
|-----------------------|----------------|
| Supply voltage        | 8.5V to 33V dc |
| Quiescent current     | 100µA dc       |
| Alarm current         | 44mA at 24V    |
| Operating temperature | -40°C to +70°C |

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### Detector Head Installation Guide

1. After installing all the bases and testing for continuity, select 'walk test' (if not available, then other appropriate mode) on the control panel and switch on the power to the zone.
2. Fit a detector\* to the first base. If the wiring is connected in the correct polarity the detector LED will flash red once per second for four minutes. While the LED is flashing a smoke or heat test of the detector may be carried out. A successful test will result in an alarm signal and a constant red LED. If the panel is not designed to reset the zone automatically, it should be reset manually.

If the power supply is interrupted the red LED will flash again for 4 minutes on restoration of power.

3. Proceed to the next base and carry out the same procedure. Repeat until all detectors have been fitted to the zone.

4. If the detector LED fails to flash check the wiring and power to the detector. If no fault is found the detector itself should be tested for function.

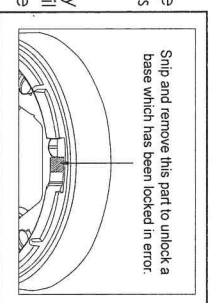


Fig 1 Orbis locking mechanism

5. It is also possible to fit all detectors in the zone before switching on the power and then simply walking the zone to check that the red LEDs are flashing. If this cannot be completed within 4 minutes, simply remove a detector from its base and replace it to re-initiate StartUp.

For technical data refer to Product Guide PP2147 held by manufacturer.

