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Sav-Wire Base Installation Guide

The Orbis Sav-Wire base is a mounting base for Orbis smoke and heat detectors and may be used *only* with a Sav-Wire compatible fire control panel. The use of any other control panel will render the fire detection system inoperable.

Detectors, call points and sounders are connected to the control panel by one pair of wires. In the event of an alarm, polarity is reversed in order to activate the sounders without affecting the status of the detectors.

Orbis Sav-Wire bases incorporate a circuit which detects the removal of a detector head. If a detector is removed from the base, the control panel will give a fault signal.

1. When installing Orbis Sav-Wire bases, observe BS 5839 Part 1 or any applicable local code.
2. 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.
3. Partially screw two screws into the mounting box or soffit at the required centres.
4. Place the corresponding slots of the base over the screws and slide the base home.
5. Tighten up the screws.

Note: it is essential to observe polarity when wiring an Orbis Sav-Wire base. Shielded cables should be used. Wire in accordance with the wiring diagram in this guide.



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

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Locking the detector

To activate the locking mechanism for the detector, remove the small portion of plastic shown in **Fig 1** with side cutters or similar tool.

Commissioning and maintenance

Fit all detector heads before switching on power. Commission in accordance with BS 5839 Part 1 or any applicable code.

Routine maintenance should be carried out in accordance with BS 5839 Part 1.

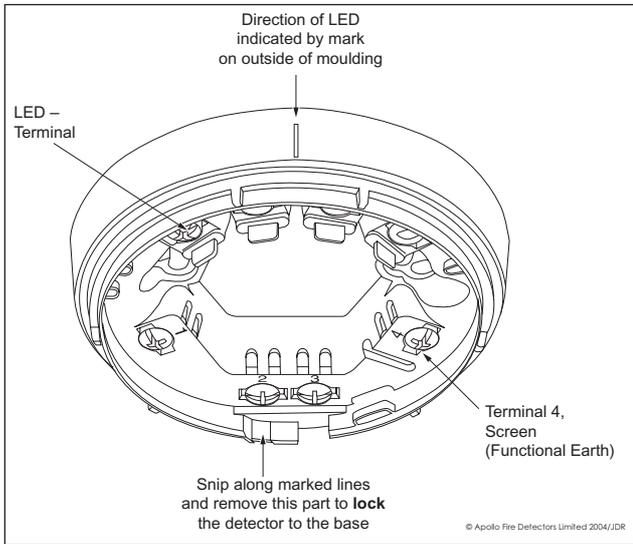


Fig 1 View of Orbis Sav-Wire base

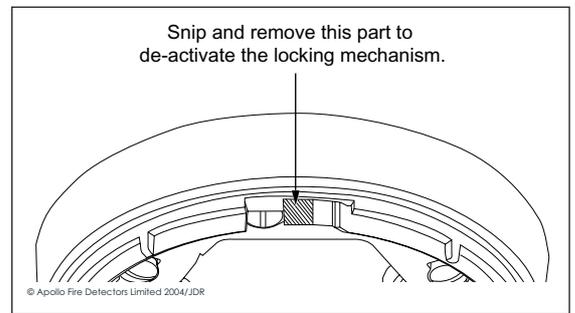


Fig 2 How to release a locked base

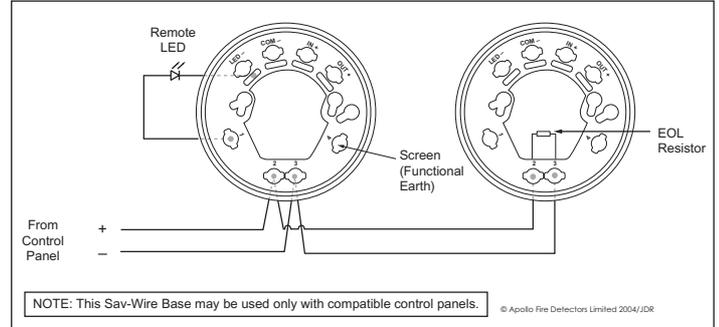


Fig 3 Wiring diagram for Orbis Sav-Wire base

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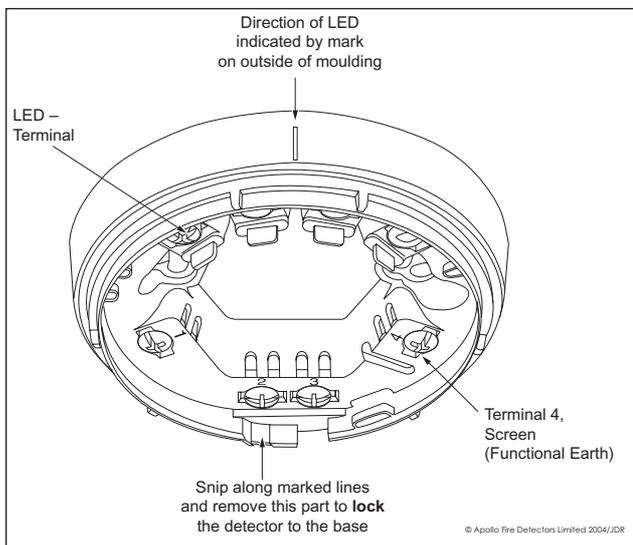


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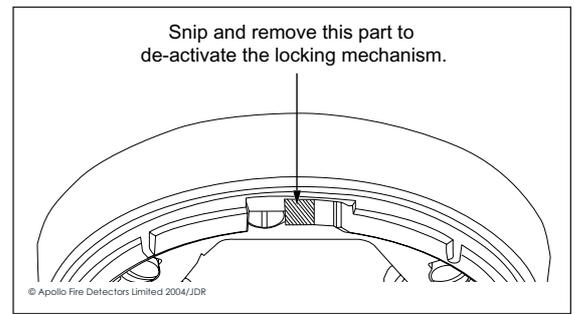


Fig 3 Wiring diagram for Orbis Sav-Wire base