

Orbis TimeSaver Relay Base

Item Number: 201-0543

Installation guide

Introduction

The relay base incorporates a single-pole voltage-free changeover contact for switching ancillary equipment. The contact rating is 30V 1A (max).

When the detector changes to the alarm state, the relay is energised, causing the contact to change state. The contact will remain in this condition until the detector is reset.

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 2 with side cutters or a similar tool.
2. Using the base as a template mark the mounting surface then partially screw two screws into the surface at the these required centers.
3. Bring the cabling into the terminals through the centre of the base. Place the corresponding slots of the base over the screws and rotate the base into its home position. Tighten up the screws.
4. Cable to the base as shown in Figure 1. The terminal marked '4' on the base is provided for connecting the screen or functional earth.

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.

Observe anti-static precautions at all times

Note: a remote LED will impair the operation of the relay base, therefore do not use a remote LED with this base.

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 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 2.

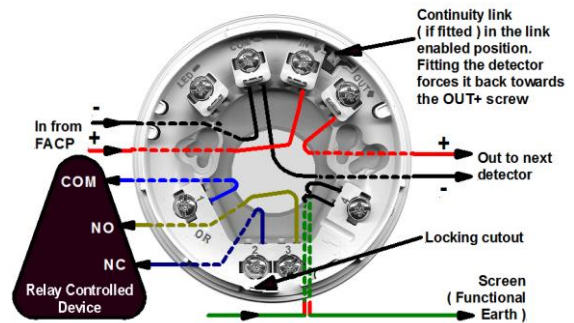


Figure 1: Wiring Diagram

Technical Data

Base operating voltage:	10–33V dc
Base holding voltage range zone voltage should not fall below:	5V
Base alarm current:	7mA @ 24V dc

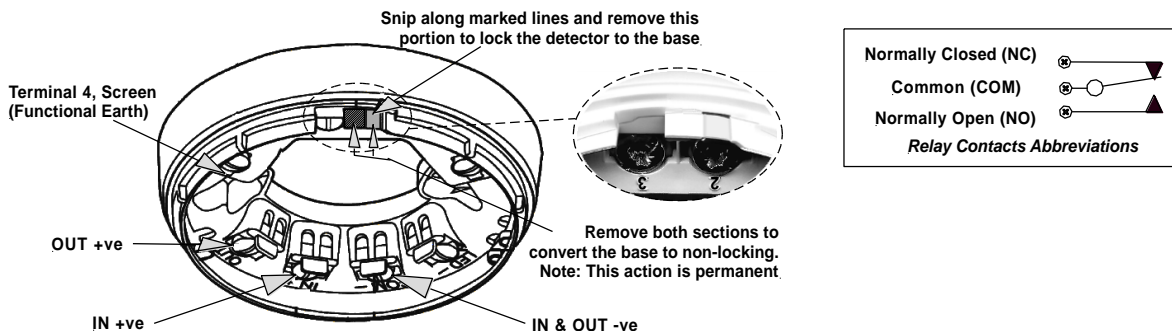


Figure 2: Orbis Bas Locking Mechanism