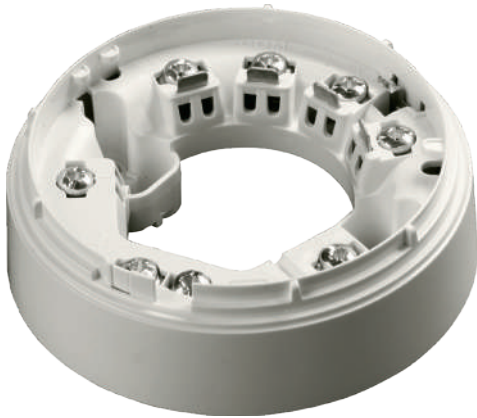
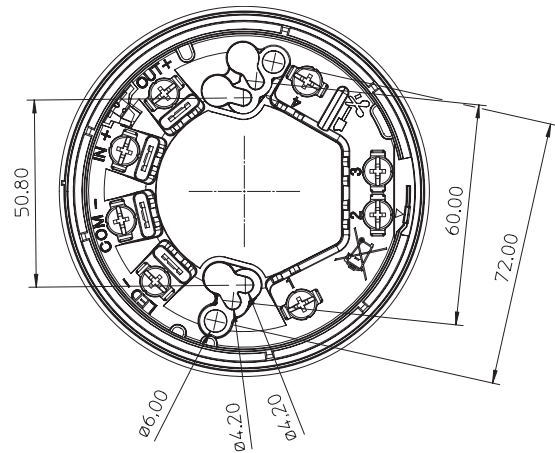


Orbis

Marine Relay Base



Orbis Marine Relay Base dimensions



Product overview

| | |
|----------|-------------------|
| Product | Marine Relay Base |
| Part No. | ORB-RB-40004-MAR |

Approvals



Product information

The Orbis Marine Relay Base incorporates a single pole, voltage-free changeover contact for switching ancillary equipment. 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.

- Grouped terminals to make wiring easy
- Multiple fixing centres
- LED alignment mark
- Cable stripping guide
- Continuity link for voltage testing of zone wiring prior to commissioning
- Detector locking mechanism
- Contact rating 1 Amp at 30 V

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Relay 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.

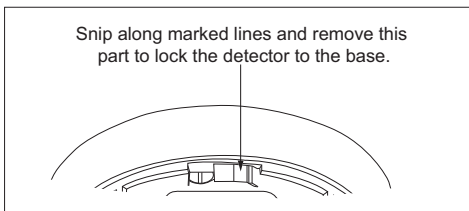


Fig 1 Locking the relay base

3. **Fig 2** 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.

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 outward whilst rotating the detector anti-clockwise.

Relay Base

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.

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

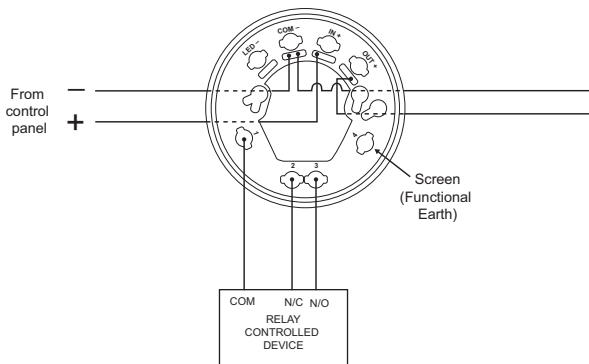


Fig 2 Relay base wiring connections

Technical Data

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

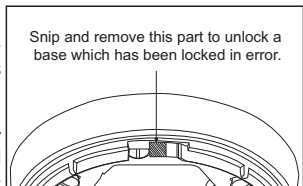
For technical data refer to Product Guide PP2147 held by manufacturer.



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.



Snip and remove this part to unlock a base which has been locked in error.

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

Fig 1 Orbis locking mechanism

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.
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.

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 outward 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 | 100 μ A dc |
| Alarm current | 44mA at 24V |
| Operating temperature | -40°C to +70°C |