

# Marine Approved Short-Circuit Isolator Base

## YBO-R/SCIM



### Features

- ▶ Detects short circuits on loop
- ▶ Status LED
- ▶ Connection of up to 127 per loop
- ▶ Supports ESP Marine Approved Sensors
- ▶ Quick connection via square cable clamps
- ▶ Approved to MED by GL
- ▶ GL Type approval
- ▶ Approved by LPCB

### Description

Model YBO-R/SCIM is a Loop Isolator, which is fully compatible with Hochiki's ESP Marine Approved analogue addressable protocol.

The YBO-R/SCIM Base is compatible with any of the ESP Marine Approved Sensors, and can be used instead of a standard base, this reduces the cost of the Short Circuit Isolators and improves the functionality. The Base incorporates an amber LED to show when it is isolating a section of the loop, and if used under every analogue Sensor on the loop, none would be lost if a single short circuit was to occur.

The YBO-R/SCIM does not use an address making it very simple to install. The YBO-R/SCIM can also be used without a Sensor; a cover can be fitted to conceal the wiring connections (see below).

Specification	
Ordering Codes	YBO-R/SCIM S/I-CAP (Base Cover)
Operating Voltage	17 – 41 V dc
Quiescent Current (typ)	50 $\mu$ A
Current In Short Circuit	<10 mA
Maximum Short Circuit Current	1 A
Operating Temperature Range	-10 °C to + 50 °C
Storage Temperature Range	-30 °C to + 60 °C
Maximum Humidity	95%RH - Non Condensing (at 40 °C)
Colour / Case Material	Ivory / ABS
Maximum Number of Isolators per Loop	127
Weight (g) / Dimensions (mm)	85 / 100 (diameter) / H13
Fixing Centres (mm)	48 ~ 74
Approvals	LPCB & GL