

# YBN-R/3(SCI)

## Short-Circuit Isolator Base

### Features

- Features integral SCI
- Easy to fit
- Slim profile
- Matches standard base colours
- Marine and SIL2 approved variants available



### Description

Model YBN-R/3(SCI) is a sensor mounting base featuring an integral short-circuit isolator which will detect and isolate short-circuits on the loop. When a short-circuit is detected during power up the unit will drop the power to the rest of the loop.

The YBN-R/3(SCI) is compatible with the ESP range of sensors and does not require a loop address. A remote fire LED facility is provided when a sensor is attached to the base.

NOTE: A fitted sensor will still be powered when this device is isolating.

### Specification

Ordering codes	YBN-R/3(SCI) - Ivory, YBN-R/3(WHT)-SCI - White, YBN-R/3(BLK)-SCI - Black
Protocol	ESP
Operating voltage	17 - 41 VDC (24 VDC nominal)
Standby current	60 $\mu$ A
Current drawn by isolator during fault condition	< 4 mA
Maximum current consumption from remote LED	10 mA (limited by attached sensor)
Maximum continuous current	1 A
Maximum quantity per loop	127*1
Ambient temperature range	-10 °C to +50 °C
Relative humidity	10% to 95% RH (at 40°C)
Colour and case material	Ivory, White or Black ABS
Fixing centres	48 mm through to 74 mm
Maximum wire thickness	2.5 mm <sup>2</sup> /terminal
Weight (g) / Dimensions (mm)	79 / $\varnothing$ 100 x H 13.7

\*1 Check with Fire alarm control panel manufacturer for maximum loop quantities

See AP0127 for short-circuit isolator specifications