

# Short-Circuit Isolator Base Adaptor

## YBN-R/3(SCI)-OEM



### Features

- ▶ Converts standard mounting base to SCI base
- ▶ Easy to fit
- ▶ Ultra-slim profile
- ▶ Matches standard base colours

### Description

The YBN-R/3(SCI)-OEM is an adaptor featuring an integral short-circuit isolator, which has been designed to be fitted to a standard sensor mounting base (YBN-R/3) to convert it into a short-circuit isolator base. This combined unit will then detect and isolate short-circuits on the loop. When a short-circuit is detected the combined unit will drop the power to the rest of the loop.

The combined unit 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 combined unit.

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

### Specification

Ordering codes	YBN-R/3(SCI)-OEM (ivory) YBN-R/3(WHT)-SCI-OEM (white)
Protocol	ESP
Operating Voltage	19 - 41 V dc (24 V dc 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* <sup>1</sup>
Ambient temperature range	-10 °C to +50 °C
Relative humidity	10% to 95% RH (at 40°C)
Colour and case material	Ivory or White ABS
Fixing centres	48 mm through to 74 mm
Maximum wire thickness	2.5 mm <sup>2</sup> /terminal
Weight	79 g

\*<sup>1</sup> Check with Fire alarm control panel manufacturer for maximum loop quantities

See AP0127 for short-circuit isolator specifications