

Short-Circuit Isolator Base

YBN-R/3(SCI)



Features

- Features integral SCI
- Easy to fit
- Slim profile
- Matches standard base colours
- SIL Level 2 approved variant 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(WHT)-SCI/SIL
Protocol	ESP
Operating Voltage	17 - 41 V dc (24 V dc nominal)
Standby current	60 μ 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 or White ABS
Fixing centres	48 mm through to 74 mm
Maximum wire thickness	2.5 mm ² /terminal
Dimensions (mm)	100 (diameter) x 13.7 (height)
Weight (g)	79

^{*1} Check with Fire alarm control panel manufacturer for maximum loop quantities

See AP0127 for short-circuit isolator specifications