

2235 SENSOR BASE AND SHORT CIRCUIT ISOLATOR

APPLICATIONS

The 2235 Sensor Base and Short Circuit Isolator is designed to function with our Advanced Protocol range of analogue addressable fire alarm equipment. It may be used as a sensor base or standalone unit when fitted with a push cap.

The primary purpose of a Short Circuit Isolator is to limit the effect of a short circuit fault within an addressable circuit. This is to ensure that the number of addressable devices that could be disabled by a single short circuit is minimal, thereby preventing a cable fault disabling a complete fire alarm circuit.



FEATURES

- Detects and isolates short circuits
- Integral Status LED
- Connection of up to 127 isolators per loop
- Wall or Ceiling Mounting
- Accepts Addressable Sensors, Sounders and Beacons
- May be used Standalone

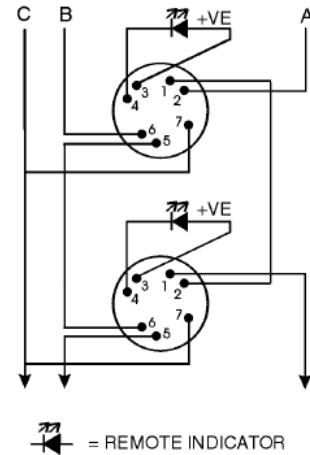
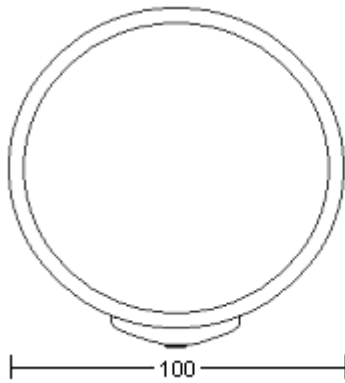
OPERATION


The 2235 Sensor Base and Short Circuit Isolator continuously monitor the current flowing through an addressable circuit.

In the event of a short circuit, a fault current will flow through the Isolator, which will then isolate the faulty section of cable, thereby enabling the remaining addressable equipment to function normally. A Fault LED integral within the Isolator moulding will illuminate in the event of a short circuit, to assist in identifying the location of the faulty section of cable.

Additionally, the addressable fire alarm panel that monitors and controls the addressable circuit will detect the presence of a fault and identify which addressable devices are no longer functioning because of the short circuit. The Isolator will automatically reset once the fault has been cleared.

APPROVALS : Tested and approved to EN54 Part 5 & 7 by the Loss Prevention Council



 = REMOTE INDICATOR

KEY: A Loop +ve, B Loop -ve, C Cable Screen

SPECIFICATION

Order Code	2235
Operating Voltage	17 – 41Vd.c.
Current Consumption	50 μ A
Operating Temp Range	-10 $^{\circ}$ C to +50 $^{\circ}$ C
Material	ABS
Colour	Ivory
Weight (g)	85g
Dimensions	100 Diameter x 13 Depth
Fixing Centres	48mm through to 74mm
Maximum Humidity	95% RH – Non Condensing (at 40 $^{\circ}$ C)