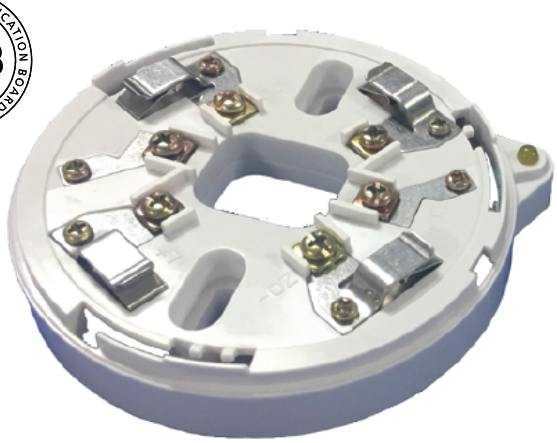
LICHFIELD FIRE & SAFETY EQUIPMENT CO. LTD.

Base Mount Short Circuit Isolator

Model: LF-X5232

Feature and Benefits

- EN54-17 Compliance
- In the event of a short circuit isolates faulty parts of the loop.
- Automatically resetting once the fault has cleared
- Can monitor up to 70 devices
- LED status indicator
- Loop powered device
- Aesthetically pleasing design
- A detector can be mounted directly above the isolator



Overview

The LF-X5232 manufactured base on the requirement of EN 54 part 17, European Standard. In the event of short circuit on the detection loop the LF-X5232 Isolators either side of the loop will detect the problem and open circuit and isolates the faulty part of the loop, enabling other devices on the unaffected part of the loop to operate normally. The isolator will continue to monitor for the fault to be repaired, once the fault is cleared the isolator will automatically reinstate the effected part of the loop.

The unit is aesthetically pleasing with unobtrusive design that will complement modern building designs and its plug-in type assembles make installation and maintenance more convenient to the installer. The LF-X5232 Isolator is compatible to the LF-X500 Analogue Intelligent Fire Alarm Control Panel, produced by single manufacture LIFECO, to avoid addressable communication compatibility problem.

In line with our policy of continuous product improvement LIFECO reserves the right to modify specifications without prior notice.

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Technical Specification

Listed	LPCB Certification
Compliance	EN 54-17:2005
Maximum Operating Voltage(V MAX)	28VDC
Operating Voltage(V NOM)	24V
Minimum Operating Voltage(V MIN)	16V
Maximum Open Voltage(V SO MAX)	11V
Minimum Open Voltage(V SO MIN)	8V
Maximum Close Voltage(V SC MAX)	3V
Minimum Close Voltage(V SC MIN)	1.4V
Maximum Continuous Current(I C MAX)	500mA
Maximum Transient Output Current(I S MAX)	5A
Maximum Leakage Current(I L MAX)	2mA
Max closed impedance (Z C MAX)	0.65 ohms
Current Consumption	Standby 0.15mA, Alarm: 2mA
Protocol	LIFECO
Number of monitored Max	70 Devices
Output Impedance	480 ohms
Indicator Status	Normal: Single blink/Active: Steady-on
Material / Colour	ABS / White Glossy finishing
Dimension / LWH	Diameter 100.7mm, Thickness 34mm
Weight	108g (with Cover), 91g (without Cover)
Operating Temperature	-10°C to +50°C
Ingress Protection Rating	IP30
Humidity	0 to 95% Relative Humidity, Non condensing

Device and Wiring Details

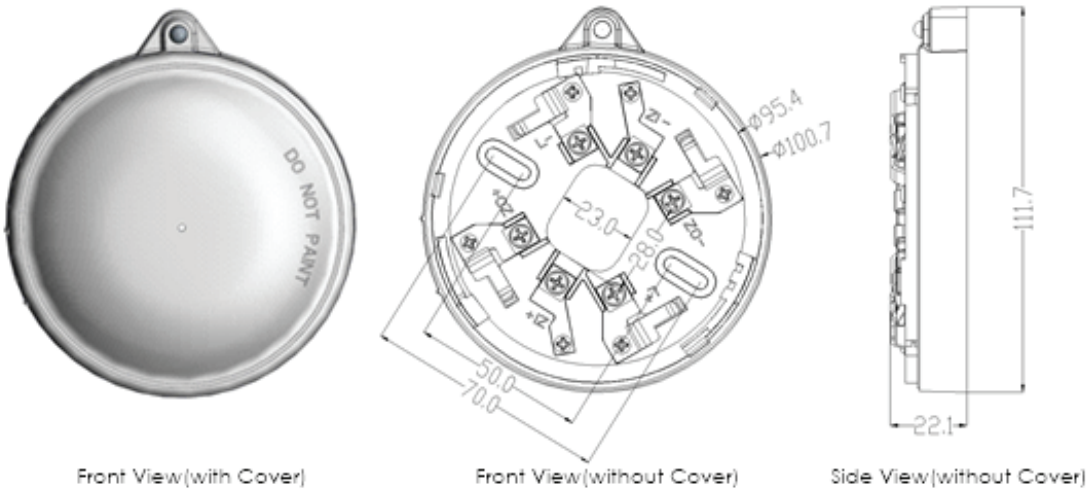

Figure 1 External view of Base Mount Short Circuit Isolator

Terminal Description

Z1 Signal In (+)
Z1 Signal Out (+)
Z2 Signal In (-)
Z2 Signal Out (-)

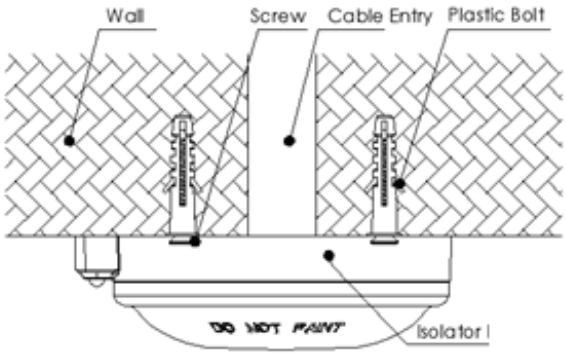

Figure 2 Wiring Diagram