



EN54-17:2005
1330f/02

TX7232

Base Mount Short Circuit Isolator

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 TX7232 manufactured base on the requirement of EN 54 part 17, European Standard. In the event of short circuit on the detection loop the TX7232 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 manufactured base on the requirement of EN 54 part 3, European Standard. The unit is aesthetically pleasing with unobtrusive design that will complement modern building designs and its plug-in type assemblies make installation and maintenance more convenient to the installer. The unit is compatible to the TX7004 Analogue Intelligent Fire Alarm Control Panel, produced by single manufacture T&A, to avoid addressable communication compatibility problem.



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Technical Specification

Listed Compliance	LPCB Certification
Maximum Operating Voltage(V MAX)	EN 54-17:2005
Operating Voltage(V NOM)	28VDC
Minimum Operating Voltage(V MIN)	24V
Maximum Open Voltage(V SO MAX)	16V
Minimum Open Voltage(V SO MIN)	11V
Maximum Close Voltage(V SC MAX)	8V
Minimum Close Voltage(V SC MIN)	3V
Maximum Continuous Current(I C MAX)	1.4V
Maximum Transient Output Current(I S MAX)	500mA
Maximum Leakage Current(I L MAX)	5A
	2mA
Max closed impedance (Z C MAX)	0.65 ohms
Current Consumption	Standby 0.15mA, Alarm: 2mA
Protocol	T&A
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 +55° C
Ingress Protection Rating	IP30
Humidity	0 to 95% Relative Humidity, Non condensing

Installation and Wiring

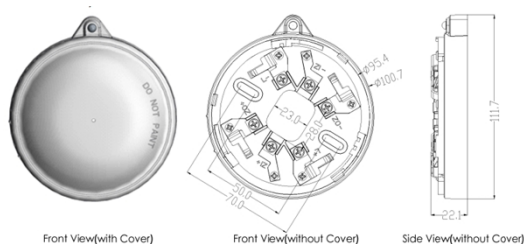


Figure 1 External view of Base Mount Short Circuit Isolator

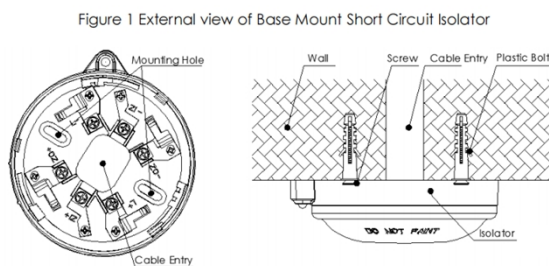


Figure 2 Wiring Diagram



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