



TX7232

Base Mount Short Circuit Isolator

Features and Benefits

- EN54-17:2005 Compliance
 - LPCB Approved
 - In the event of a short circuit isolates faulty parts of the loop.
 - Automatically resetting once the fault has been cleared
 - Can monitor up to 70 devices
 - LED status indicator
 - Loop powered device
 - Aesthetically pleasing design
- Surface mounting installation

Device and Wiring Details

Terminal Description

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

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 base mount short circuit 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 used to mount intelligent TX7100 smoke detector, TX7110 heat detector and TX7120 multi-sensor. The TX7232 base mount short circuit isolator is compatible to the TX7004 / TX7002 Analogue Intelligent Fire Alarm Control Panel, produced by single manufacture T&A, to avoid addressable communication compatibility problem.

Technical Specification

Listed	LPCB / CE-CPR
Compliance	EN54-17:2005
Power Rating	
Input Voltage	24VDC [16V to 28V]
Current Consumption	Standby 0.15mA, Alarm: 1.8Ma
Maximum Open Voltage(VSO MAX)	11V
Minimum Open Voltage(VSO MIN)	8V
Maximum Close Voltage(VSC MAX)	3V
Minimum Close Voltage(VSC MIN)	1.4V
Maximum Continuous Current (IC MAX)	500mA
Maximum Transient Output Current (IS MAX)	5A
Maximum Leakage Current (IL MAX)	2mA
Max closed impedance (ZC MAX)	0.65 ohms
Module	
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 / Height	Diameter:100.7 / 35mm
Weight	55g (with Base)
Ingress Protection	IP30
Humidity	0 to 95% Relative Humidity, Non condensing