



by Honeywell

System Sensor M500X

Description

The System Sensor M500X Fault Isolator modules enable part of the communications signaling line circuit to continue operating when a short circuit occurs. The System Sensor M500X Isolator Module is an automatic switch that opens when the line voltage drops below four volts. This module is rigorously designed and tested for electromagnetic compatibility and environmental reliability, in many cases exceeding industry standards.

When installing Isolator Modules, the modules should be spaced between groups of sensors or modules in a signaling line circuit to protect the remainder of the signaling line circuit. If a short occurs between any two isolators, then both isolators immediately switch to an open circuit state and isolate the devices between them. The remaining units on the signaling line circuit continue to operate. No more than 20 devices are recommended for each group.

An LED indicator flashes in the normal condition and lights during a short circuit condition. When the short circuit is removed, the module will automatically restore the entire signaling line circuit.

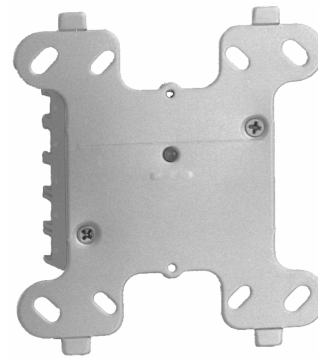
Specifications

Standby Current:	.00045 amps. max.
Operating Temperature Range:	32° F to 120° F (0° C to 49° C)
Humidity Range:	10% to 93% non-condensing
Voltage Range:	15 - 32 VDC
Communication Line Impedance:	40 Ohms
Isolation Current:	5 mA max.
Fault Detection Delay:	250 ms min.
Fault Detection Threshold:	4 volts
Line Restoration Threshold:	7 volts
Dimensions:	4.5" H x 4" W .25" D 11.4 H x 10.2 W x .6 D cm Mounts to a 4" square by 2.8"D (10.2 x 7.1 cm) deep box)

*Normal operating current. During power failure, current drops to 0.045 amp, since the back light is extinguished.

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Style 7 Isolator Module



M500X

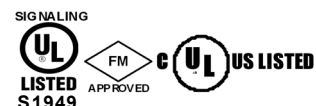
Features

- Up to 20 addressable devices may be grouped between isolator modules
- Panel controlled status LED
- Low standby current
- Mounts in standard 4" junction box
- Wiring terminals are easily manageable for troubleshooting purposes

Ordering Information

Model	Description
M500X	Isolator Module

An ISO 9001-2000 Company



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