

ISO-X

Fault Isolator Module



Intelligent/Addressable Devices

General

The Notifier ISO-X Fault Isolator Module is used with the AFP-2800 and AFP-2802 to protect the system against wire-to-wire short circuits on the SLC loops.

Features

- Powered by SLC loop directly, no external power required.
- Mounts in standard 10.16 cm square 5.398cm deep junction boxes.
- Integral LED blinks to indicate normal condition. Illuminates steady when short circuit condition is detected.
- High noise (EMF/RFI) immunity.
- Wide viewing angle of LED.
- SEMS screws with clamping plates for ease of wiring.
- Opens SLC loop automatically on detection of short, preventing the short from causing failure of the entire loop.
- Automatically resets on correction of short.

Applications

The Fault Isolator Modules should be spaced between groups of sensors in a loop to protect the rest of the loop. Use to isolate short circuit problems within a section of a loop so that other sections can continue to operate normally. The ISO-X supports a maximum of 25 devices in-between isolators.



Operation

Automatically opens circuit when the line voltage drops below four volts. Fault Isolator Modules should be spaced between groups of addressable devices (maximum 25) in a loop to protect the rest of the loop.

If a short occurs between any two isolators, then both isolators immediately switch to an open circuit state and isolate the groups of sensors between them. The remaining units on the loop continue to fully operate.

The ISO-X Fault Isolator Module automatically restores the shorted portion of the communications loop to normal condition when the short circuit condition is removed.

Specifications

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|--------------------|---|
| Operating voltage: | 15 – 32 VDC (peak). |
| Current range: | 5 mA for LED latched in alarm. |
| Standby current: | 400 µA maximum, plus supervision current. |
| Pulsing current: | 30 mA for 15 mS (FCM-1). |
| Temperature range: | 0°C to 49°C. |
| Relative humidity: | 10% to 93% (Non-condensing). |

Ordering Information

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|------------------|----------------------------------|
| FG-05-035 | ISO-X Loop (SLC) isolator module |
| FG-01-068 | SMB-500 Surface mount box |

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