FLM-7024-ISO MUX bus isolator module

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Invented for life

- Easily installs in standard 4 in. square electrical box
- Steadily-lit yellow LED indicates activated isolator
- Can be wired Class X, Class A, or Class B

The FLM-7024-ISO MUX bus isolator module is placed between devices on the MUX bus. A short on the bus causes activation of the isolators adjacent to either side of the short. This effectively separates all devices between the activated isolators from the rest of the bus. This prevents failure of the entire bus. When the short condition is removed, the isolators automatically restore the entire loop to normal operation.

Functions

Status LED
The yellow status LED lights steady when the isolator is activated. It is visible:

- In ambient light (up to 500 lx)
- At a distance of 3 m
- At an angle up to 22 5° against the surface norm

Certifications and approvals

Region	Certification	
USA	UL	ANSI/UL 864, Control Units and Accessories for Fire Alarm Systems" (10th edition)
	CSFM	see our website

Installation/configuration notes

Compatible Products
The following products are compatible with the FLM-7024-ISO module:

Category	Product ID	Product Description
Control Panels	FPD-7024	Addressable FACPs (v1.03 or higher)
Required module	FPE-7039	MUX expansion module

Mounting Considerations
The module mounts in a standard 4-inch square electrical box.

Wiring Considerations
The module accepts wire sizes between 18 AWG (ISO 0.75 mm^2) and 12 AWG (ISO 4 mm^2).

Notice
Do **not** use shielded wire. Twisted-pair wire is not recommended, but is acceptable if wire length is reduced by 50%.

For additional multiplex wiring requirements, see the *FPE-7039 Installation manual*.

Parts included

Quantity	Component
1	Base w/ control board
1	Cover w/ bezel
1	Hardware pack 2 screws SCR STD TC632x0.500O2P-ST PLT
1	Literature – Installation manual

Technical specifications

Electrical

Current Standby Standby activity	 0.1 mA 5 mA
Voltage (minimum)	8 V peak (12 VDC nominal)

Environmental

Environment:	Indoor, dry
Relative humidity	Up to 95% non-condensing
Temperature (operating)	+32°F to +100°F (0°C to +38°C)

Mechanical

Color	White
Dimensions	4.3125 in. (10.9 cm) square by 1.0625 in. (2.7 cm) deep
Material	ABS plastic
Weight:	3.9 oz. (110 g)

Performance

Devices in group	25
Short delay time	250 ms

Ordering information

FLM-7024-ISO MUX bus isolator module
This module connects to the FPE-7039 MUX expansion module on the FPD-7024 FACP without using a MUX bus address. It isolates a shorted section on the SLC from the rest of the system to minimize communication loss.
Order number **FLM-7024-ISO**

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