

# FLM-7024-ISO MUX bus isolator module

www.boschsecurity.com



**BOSCH**  
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<sup>2</sup>) and 12 AWG (ISO 4 mm<sup>2</sup>).



### 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 TC632x0.50002P-ST PLT
1	Literature – Installation manual

**Technical specifications****Electrical**

Current Standby	0.1 mA
Current Standby activity	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**

**Represented by:**

**Europe, Middle East, Africa:**  
Bosch Security Systems B.V.  
P.O. Box 80002  
5600 JB Eindhoven, The Netherlands  
Phone: + 31 40 2577 284  
emea.securitysystems@bosch.com  
emea.boschsecurity.com

**Germany:**  
Bosch Sicherheitssysteme GmbH  
Robert-Bosch-Ring 5  
85630 Grasbrunn  
Germany  
www.boschsecurity.com

**North America:**  
Bosch Security Systems, Inc.  
130 Perinton Parkway  
Fairport, New York, 14450, USA  
Phone: +1 800 289 0096  
Fax: +1 585 223 9180  
onlinehelp@us.bosch.com  
www.boschsecurity.us

**Asia-Pacific:**  
Robert Bosch (SEA) Pte Ltd, Security Systems  
11 Bishan Street 21  
Singapore 573943  
Phone: +65 6571 2808  
Fax: +65 6571 2699  
apr.securitysystems@bosch.com  
www.boschsecurity.asia