

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 | Regulatory compliance/quality marks | |
|--------|-------------------------------------|---|
| USA | UL | ANSI/UL 864, Control Units and Accessories for Fire Alarm Systems" (10th edition) |
| | CSFM | see www.boschsecurity.com (the Bosch website) |

Installation/configuration notes

Compatible Products

The FLM-7024-ISO is compatible with the FPD-7024 panels with an 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 mm²) and 12 AWG (ISO 4 mm²).



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 |

| Quantity | Component |
|----------|---|
| 1 | Hardware pack 2 screws SCR STD TC632x0.50002P-ST PLT |
| 1 | Literature – Installation manual |

Technical specifications

Electrical

| | |
|--------------------------|---------------------------|
| Current | |
| Standby | 0.1 mA |
| 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