

FLM-325-2R4-A Dual Relay Modules

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Invented for life



- ▶ Two independently configurable Form C contacts
- ▶ Contacts are rated 1 A at 30 VDC or 0.5 A at 125 VAC
- ▶ Module address programming with the D5070 Analog Device Programmer
- ▶ Bi-colored LED provides module status
- ▶ Digital data communications and power over a two-wire circuit

The modules provide two independently controlled Form C contacts while utilizing only one address point at the Signaling Line Circuit (SLC). The two Form C contacts can be used for a variety of Normally Open and Normally Closed applications such as fan, elevator and door control, or auxiliary notification. As the modules use mechanically latching relays, a separate 24 VDC power supply is not required. They fit into a standard 4-inch square or double-gang electrical back box.

Functions

Flexibility

The modules have been designed to provide flexibility and quick response to emergency conditions. The operating parameters for the modules are saved at the integrated EEPROM and maintained by each module so that during emergency situations no communication with the fire panel is needed. The fire panel only broadcasts system conditions on the Signaling Line Circuit (SLC) and each module processes them according to its configuration.

Status display

The modules have a green LED that flashes every time the module is polled.

Short Circuit Isolation

The FLM-325-2R4-2AI and FLM-325-2R4-8AI modules have built-in short circuit isolating (SCI) circuitry. In the event of a short circuit on the SLC line, the SCI circuitry will prevent entire loop failure, send a short circuit condition report to the FACP, and upon removal of the short circuit condition, automatically restore the entire loop to normal operation.

Certifications and approvals

Region	Certification	
USA	UL	UOXX: Control Unit Accessories, System (ANSI/UL 864)
	CSFM	see our website

Installation/configuration notes

Compatibility Information

The following products are compatible with the modules:

Category	Product ID	Product Description
Fire Panels	FPA-1000 Family	Analog Addressable Fire Panels

Parts included

Quant.	Component
1	FLM-325-2R4 Family Dual Relay Module
1	Wall plate
1	Literature pack

Technical specifications

Electrical

Current Consumption

• SLC:	0.405 mA
• SCI Isolation:	10 mA typical

Relay Contact Ratings

• FLM-325-2 R4-2A:	2 A at 30 VDC, 1 pF; or 0.5 A at 120 VAC, 0.6 pF
• FLM-325-2 R4-8A:	8 A at 30 VDC, 1 pF or 250 VAC resistive; or 4.8 A at 250 VAC, 0.6 pF

Voltage

• Operating:	24 VDC to 39 VDC
• SLC Applied:	25.5 VDC to 39 VDC

Environmental

Operating Temperature:	+32°F to +120°F (0°C to 49°C)
Relative Humidity:	Up to 90%, non-condensing

Mechanical

Dimensions (H x W x D):	4.7 in. x 4.2 in. x 0.85 in. (11.9 cm x 10.7 cm x 2.16 cm)
Bicolored LED:	Red and green
Contacts:	Two Form C

Ordering information

FLM-325-2R4-2A Dual Relay Module 2 A

Provides 2 A current at two independently-controlled Form C contacts for a variety of Normally Open and Normally Closed applications; compatible with 254 addresses

Order number **FLM-325-2R4-2A**

FLM-325-2R4-2AI Dual Relay Module 2 A with Isolator

Provides 2 A current with built-in short circuit isolator circuitry at two independently-controlled Form C contacts for a variety of Normally Open and Normally Closed applications; compatible with 254 addresses

Order number **FLM-325-2R4-2AI**

FLM-325-2R4-8A Dual Relay Module 8 A

Provides 8 A current at two independently-controlled Form C contacts for a variety of Normally Open and Normally Closed applications; compatible with 254 addresses

Order number **FLM-325-2R4-8A**

FLM-325-2R4-8AI Dual Relay Module 8 A with Isolator

Provides 8 A current with built-in short circuit isolator circuitry at two independently-controlled Form C contacts for a variety of Normally Open and Normally Closed applications; compatible with 254 addresses

Order number **FLM-325-2R4-8AI**

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