

FLM-325-I4-A Contact Monitors

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- ▶ Monitors Normally Open (NO) or Normally Closed (NC) contacts
- ▶ Monitored Normally Closed (NC) contacts can be configured with or without EOL resistor
- ▶ 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 FLM-325-I4-A and FLM-325-I4-AI modules are used to connect standard Normally Open or Normally Closed dry contact types of fire alarm devices such as pull stations or water flow devices. The modules are mounted to a cover plate for a 4-inch square or double-gang electrical back box. A bi-colored LED provides the module status.

Functions

Address Range

Contact Monitor modules must be programmed with a unique address. All devices connected to module appear only as one single address at the fire panel. The modules are compatible with 254 addresses.

Status Conditions

The module supervises the wiring to the contact with an EOL resistor. If a fault condition occurs, the module sends a trouble signal to the fire panel. If a status change occurs, the module sends an interrupt signal to the fire panel indicating that an alarm has occurred.

Certifications and approvals

Region	Regulatory compliance/quality marks	
USA	UL	UL 864, Control Units and Accessories for Fire Alarm Systems
	CSFM	see www.boschsecurity.com (the Bosch website)
	FDNY-CoA	6101

Installation/configuration notes

Compatibility Information

The contact monitor modules are compatible with the FPA-1000 Analog/addressable fire panels.

Data Circuit Length

Data (or polling) circuit length is the distance over the circuit wire from the connection at the fire panel to the most distant device and back to the fire panel. Data circuit length must include the distance to any device connected to the circuit in a T-tap. The screw terminals can accept 14 AWG (ISO 2.5 mm²) wire. Thinner wire can be used, but this reduces the allowable length of the circuit.

Initiating Device Circuit Connections

The initiating device circuit can use any number of UL listed Normally Open (NO) contact closure devices. Device circuit wiring must not exceed 50 Ω . Install contact closure devices according to the manufacturer's installation instructions. All wiring must be supervised and power-limited.



Notice

Do **not** mix fire alarm initiating and supervisory devices on the same module.

Technical specifications

Electrical

Input Voltage	25.3 VDC to 39 VDC
Current	
Nominal	0.63 mA
Maximum	6.3 mA
Resistance	
End of Line Device	10 k Ω , 0.25 W per resistor
Initiating Device Circuit	Less than 50 Ω

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 1.4 in. (11.9 cm x 10.7 cm x 3.6 cm)
Weight	20 oz. (567 g)

Color	Ivory
Material	ABS Blend
Response Time	2 sec

Trademarks

All hardware/software product names used in this document are likely to be registered trademarks and must be treated accordingly.

Ordering information

FLM-325-I4-A Contact monitor, class A, 4"

Can be wired for Class A or Class B circuits, mounted to a cover plate for a 4-inch square or double gang electrical back box, bi-colored LED provides module status, compatible with 254 addresses
Order number **FLM-325-I4-A**

FLM-325-I4-AI Contact monitor with isolator class A 4"

Can be wired for Class A or Class B circuits, has built-in short circuit isolator circuitry, mounted to a cover plate for a 4-inch square or double gang electrical back box, bi-colored LED provides module status, compatible with 254 addresses
Order number **FLM-325-I4-AI**

Accessories

D5070 Analog point programmer, hand-held

Used to program address settings on EEPROM-programmable analog devices
Order number **D5070**

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