

FLM-325-NA4 Supervised Output Modules

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- ▶ Contacts are rated 2 A at 24 VDC
- ▶ Flexible application and quick response to emergency conditions
- ▶ Can be alarmed or reset by zone or by individual address
- ▶ Module address programming with the D5070 Analog Device Programmer
- ▶ Bi-colored LED provides module status

The modules provide a supervised polarity reversal output used for audible and visual signaling devices or to trigger a remote NAC power expander. They require a 24 VDC auxiliary input voltage that can be provided by the FPA-1000 Analog Addressable Fire Panels or other UL listed power supplies. The modules provide a Class B Circuit rated for 2 A at 24 VDC. They fit into a standard 4-inch square or double-gang electrical back box.

Functions

Evacuation Tones

The following programmable patterns are selectable:

- Steady
- Pulsing
- Temporal 3

Flexibility

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

Status display

A bi-colored LED flashes every time the module is polled and can be switched on steady when the module goes into active condition.

Short Circuit Isolation

Built-in short circuit isolating (SCI) circuitry that, in the event of a short circuit on the SLC line, will prevent entire loop failure and 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	Analog Addressable Fire Panels
Programmer	D5070	Analog Device Programmer

Parts included

Quant.	Component
1	FLM-325-NA4 Family Supervised Output Module
1	Wall plate
1	Literature pack

Technical specifications

Electrical

Voltage

Input:	25.3 VDC to 39 VDC
Auxiliary Input:	24 VDC

Current Consumption

• FLM-325-NA4:	Typical: 0.22 mA Maximum: 6 mA
• FLM-325-NAI4 :	Typical: 0.42 mA Maximum: 6 mA
• Maximum Output:	2 A at 24 VDC, power-limited

SCI

• Fault Detection Threshold:	12 V typical
• Isolation Current:	10 mA typical

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)
Bicolored LED:	Red and green

Ordering information

FLM-325-NA4 Supervised Output Module (Class A and B)

Can be wired for Class A or Class B circuits; compatible with 254 addresses
Order number **FLM-325-NA4**

FLM-325-NAI4 Supervised Output Module (Class A and B, with isolator)

Built-in short circuit isolator circuitry; can be wired for Class A or Class B circuits; compatible with 254 addresses

Order number **FLM-325-NAI4**

Accessories

D5070 Analog Device Programmer

Used to program address settings on EEPROM-programmable analog devices

Order number **D5070**

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