

# 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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