

FLM-325-NA4 Family Supervised Output Modules

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Invented for life



- ▶ 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. The modules require a 24 VDC auxiliary input voltage that can be provided by the FPA-1000-UL Compact Fire Panel or another UL listed power supply. 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 modules provide the following programmable patterns:

- Steady
- Pulsing
- Temporal 3

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

Short Circuit Isolation

The module has 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) |
| | FDNY-CoA | 6034 [-N4] |
| | CSFM | 7300-1615:0230 |

Installation/configuration notes

Compatibility Information

The following products are compatible with the modules:

| Category | Product ID | Product Description |
|-------------|-------------|--------------------------|
| Fire Panels | FPA-1000-UL | Compact Fire Panel |
| 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**

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