

# ANN-LED

## LED Annunciator Module



### Annunciators

#### General

The ANN-LED annunciator module provides LED annunciation of general system faults and input zones/points when used with a compatible Fire Alarm Control Panel (FACP). The ANN-LED module provides alarm (red), trouble (yellow) and supervisory (yellow) indication for up to ten input zones or addressable points. ANN-RLED has red LEDs only for alarm communication of up to 30 addressable points.

The ANN-LED is supplied standard with certain Canadian FACP's as required by ULC.

The ANN-LED and the FACP communicate over a two-wire serial interface employing the ANN-Bus communication format. An additional two wires are used for 24-volt DC power. A single four-conductor unshielded cable may be used for both power and data communications.

Up to eight ANN-Bus devices may be connected to the ANN-Bus of each FACP.

#### Features

- ANN-LED connects to the ANN-Bus terminal on the FACP and requires minimal programming
- Includes three LEDs for each zone: Alarm, Trouble and Supervisory.
- Compatible with the ES-200X, ES-50X, MS-9600(UD)LS, MS-9200UDLS, MS-9050UD, MS-5UD, MS-10UD, MRP-2001, and MRP-2002,
- Can be remotely located up to 6,000 feet (1,829 m) from the panel
- May be powered by 24 VDC from the host FACP or by remote power supply (requires 24 VDC)

#### Specifications

- Maximum ANN-BUS Voltage: 24 VDC
- Maximum Current: **Alarm:** 68 mA **Standby:** 28 mA
- Maximum wiring distance from FACP: 6,000 ft. (1,829 m.)
- Ambient Temperature: 32°F to 120°F (0°C to 49°C)
- Relative Humidity: 93% ± 2% RH (non-condensing) at 32°C ± 2°C (90°F ± 3°F)
- For use indoors in a dry location
- Connections to FACP are power-limited and supervised
- 5.160" (13.11 cm.) high x 10.043" (25.51 cm.) wide x 1.77" (4.5 cm.) deep

#### The ANN-Bus

##### **POWERING THE DEVICES ON THE ANN-BUS FROM AUXILIARY POWER SUPPLY**

ANN-Bus devices can be powered by an auxiliary power supply when available panel power is exceeded. See FACP manual for information.

##### **ANN-BUS DEVICE ADDRESSING**

Each ANN-Bus device requires a unique address (ID Number) in order to communicate with the FACP. A maximum of eight devices can be connected to the FACP ANN-Bus communication circuit. See the FACP manual for more information.



#### Ordering Information

**ANN-LED:** annunciator module with alarm (red), trouble (yellow) and supervisory (yellow) indication for up to ten input zones or addressable points, includes module mounting bracket, metal cover and clear plastic screen, rubber display/label holder, screws for securing the metal cover and the backbox, red enclosure

**ANN-LED-W:** same as above, with gray enclosure and white keypad

**ANN-RLED:** annunciator module with alarm (red) indicators for up to 30 input zones or addressable points, includes red enclosure

**ANN-RLED-W:** same as above, with gray enclosure and white keypad

#### Agency Listings and Approvals

The listings and approvals below apply to the ANN-LED. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL:** S2424
- **ULC:** S2424 (ANN-LED only)
- **FM approved**
- **CSFM:** 7120-0075:0222
- **MEA:** 333-07-E
- **Fire Dept of NY:** COA #6177

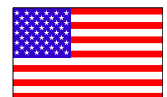
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Country of Origin: USA