

N-ANN-RLY Relay Module

General

The N-ANN-RLY relay module provides 10 programmable Form-C relays when used with a compatible FACP (Fire Alarm Control Panel). The N-ANN-RLY module may be mounted inside the FACP main circuit board chassis or in the battery area of the enclosure using optional mounting bracket P/N: ANN-MBRLY. Reference Installation Instructions document #53318.

The N-ANN-RLY 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

- N-ANN-RLY connects to the ANN-Bus terminal on the FACP and requires minimal programming
- Provides 10 programmable Form-C relays
- Ten Form-C relays can be programmed for various functions; Alarm, Trouble, Supervisory, AC Loss, Waterflow Delay, Input Zones and Silenceable Alarm.
- Compatible with the NFW-100X, NFW-50X, NFW2-100(C), NFW-50(C), RP-2001(C), RP-2002(C), SFP-10UD(C), and SFP-5UD(C)
- May be powered by 24 VDC from the host FACP or by remote power supply (requires 24 VDC)
- Up to eight ANN-Bus devices may be connected to the ANN-Bus of each FACP
- Listed to UL Standard 864, 9th Edition

Specifications

- Maximum ANN-BUS Voltage: 24 VDC
- Maximum Current:
 - Alarm: 75 mA Standby: 15 mA
- 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.
- Relay Contact Ratings: 2 Amps @ 30VDC (Resistive) 0.5 Amps @ 30VAC (Resistive)

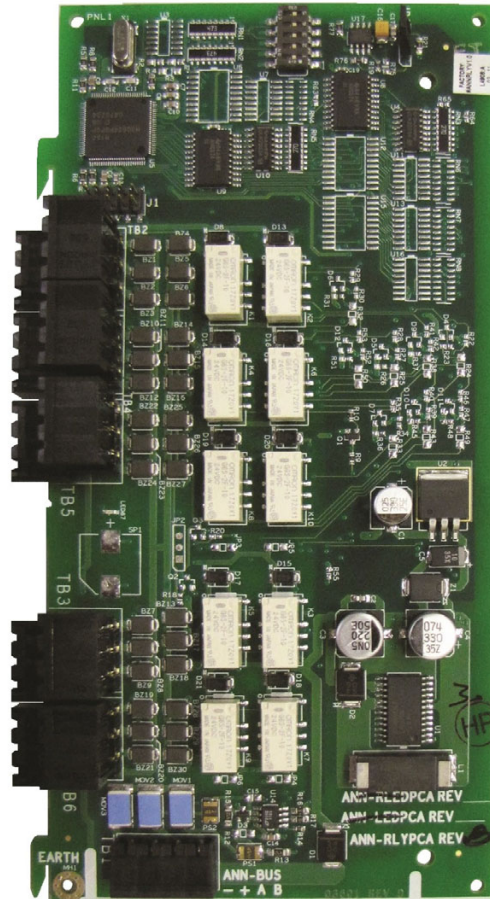
The ANN-Bus

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

- **N-ANN-RLY:** Relay Module provides 10 programmable Form C relays
- **ANN-MBRLY:** Optional mounting bracket; required for NFW2-100(C) applications
- **ROME:** Relay Option Module Enclosure, includes one ANN-RLY Relay module and one ANN-MBRLY bracket installed

Agency Listings and Approvals

The listings and approvals below apply to the Featured Product. 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:** S635
- **FM Approved**
- **Fire Dept. of New York:** #COA 6177
- **CSFM:** 7120-0028:0259
- **MEA:** 333-07-E

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