

N-ANN-I/O LED Driver Module

General

The N-ANN-I/O is an LED driver module that can be used in a wide variety of applications including as an interface with the Fire Alarm Control Panel (FACP) to drive most customized graphic annunciators. It comes in a plastic enclosure that may be mounted inside a custom annunciator or accessory cabinet and can drive up to 40 LEDs.

The N-ANN-I/O 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.

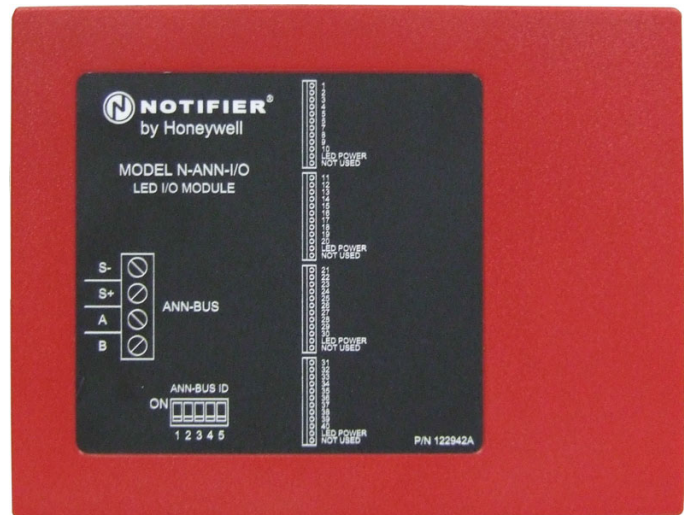
Up to eight ANN-Bus devices may be connected to the ANN-Bus of each FACP.

Features

- N-ANN-I/O connects to the ANN-Bus terminal on the FACP and requires minimal programming
- Each N-ANN-I/O module drives up to 40 LEDs
- Programmable to indicate activity for points or zones
- Compatible with the NFW-100X, NFW-50X, NFW2-100, NFW-50, RP-2001, RP-2002, SFP-5UD, and SFP-10UD
- 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)
- Up to eight ANN-Bus devices may be connected to the ANN-Bus of each FACP

Specifications

- Maximum ANN-Bus Voltage: 24 VDC
- Maximum Current:
 - **Alarm:** 200 mA, **Standby:** 35 mA, **Each LED:** 10mA
- Maximum wiring distance from FACP: 6000 ft. (1829 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
- External measurements: 6.00" (15.2 cm.) high x 7.76" (19.7 cm.) wide x 1.46" (3.7 cm.) deep



Agency Listings and Approvals

The listings and approvals below apply to the N-ANN-I/O. 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
- **CSFM:** 7120-0028:0242
- **MEA:** 442-06-E Vol. 2

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.

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