N-ANN-100 80 Character LCD Remote Fire Annunciator

General

The N-ANN-100 annunciator is a backlit, 80-character LCD fire annunciator that mimics the Fire Alarm Control Panel (FACP) display. It provides system status indicators for AC Power, Alarm, Trouble, Supervisory, and Alarm Silenced conditions.

The N-ANN-100 and the FACP communicate over a two-wire serial interface employing the ANN-BUS communication format. Connected devices are powered, via two additional wires, by either the host FACP or a remote UL-listed, filtered power supply.

The N-ANN-100 displays English-language text of system point information including device type, zone, independent point alarm, trouble or supervisory status, as well as any custom alpha labels programmed into the control panel. It includes control switches for remote control of critical system functions. (A keyswitch prevents unauthorized operation of the control switches.)

Up to eight N-ANN-100s may be connected to each ANN-BUS of a FACP. No programming is required, which saves time during system commissioning.

Features

- Listed to UL Standard 864, 9th Edition
- Backlit 80-character LCD display (20 characters x 4 lines)
- Mimics all display information from the host panel
- Control switches for Signal Silence, System Acknowledge, Reset, and Drill
- Control switches can be independently enabled or disabled at the FACP
- Keyswitch enables/disables control switches and mechanically locks annunciator enclosure
- Keyswitch can be enabled or disabled at the FACP
- Enclosure supervised for tamper
- System status LEDs for AC Power, Alarm, Trouble, Supervisory, and Alarm Silence
- Local sounder can be enabled or disabled at the FACP
- N-ANN-100 connects to the ANN-BUS terminal on the FACP and requires minimal panel programming
- Displays device type identifiers, individual point alarm, trouble, supervisory, zone, and custom alpha labels
- Time-and date display field
- Surface-mount or flush-mount installation options
- Optional trim ring for a more finished look
- Can be remotely located up to 6,000 feet (1,800 m) from the panel
- Backlight turns off during AC loss to conserve battery power but will turn back on if an alarm condition occurs
- May be powered by 24 VDC from the host FACP or by remote power supply (requires 24 VDC)
- Up to eight N-ANN-100s can be connected on the ANN-BUS

Controls and Indicators

- AC Power
- Alarm
- Trouble
- Supervisory
- Alarm Silenced

Specifications

PHYSICAL

- Flush Mount: (Outside wall) 12.25"W x 11.5"H x 0.875"D (31.1W x 29.2H x 2.2D cm), (Inside wall) 9.375"W x 8.375"H x 2"D (23.8W x 21.3H x 5.1D cm)
- Surface Mount: (Including Trim Ring) 12.25"W x 11.5"Hx 3"D (31.1W x 29.2H x 2.2D cm)

ELECTRICAL:

- Operating Voltage: 24VDC
- Standby Current: 20mA
- Alarm Current: 25mA
- Wiring Distance: Up to 6,000 ft max. from FACP
- All connections are power-limited and supervised.
- For use indoors in a dry location.

ENVIRONMENTAL

- 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).

Agency Listings and Approvals

The listings and approvals below apply to the ANN-100. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult the factory for the latest listing status.

UL: S635

Ordering Information

N-ANN-100: 80 character remote fire annunciator; black

TR-ANN-B: Optional trim ring for surface-mount applications; black

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This document is not intended to be used for installation purposes.
We try to keep our product information up-to-date and accurate.
We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.

Country of Origin: USA

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