

RAN-400

Remote Annunciator

General

The RAN-400 is the remote annunciator used with the Flex 410 Fire Alarm Control Panel (FACP). The RAN-400 performs all system operations. It also displays the trouble and the alarm information. In addition, you can use the RAN-400 for remote programming.

Operation

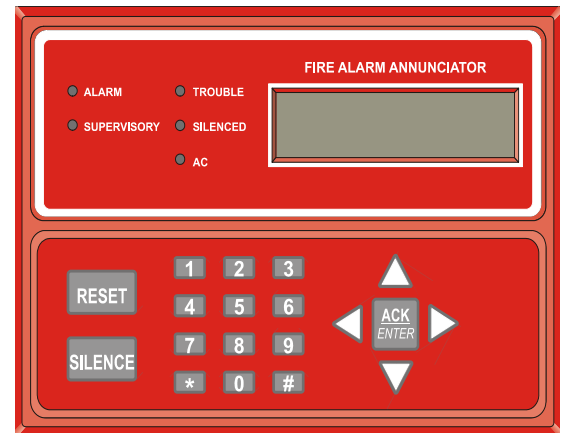
When the system is in a normal condition and receiving AC power, the power LED is ON and all other LEDs are OFF. Other LEDs turn on as the conditions occur. To access the fire alarm control panel, the user enters a code on the annunciator. When the user presses a button, the annunciator piezo beeps and the LCD prompts the user to enter a code or other relevant information. In addition, the fire alarm control panel can simultaneously support multiple annunciators.

Engineer's Specifications

The contractor shall furnish and install, where indicated on the plans, the RAN-400 Remote Annunciator. The Module shall be of an LCD type with a 2" x 16" display. The Remote Annunciator shall be used for remote programming. It shall also provide alarm, trouble information as well as provide the functions to reset alarms and silence trouble and alarm conditions. The Module ID shall be programmed with a four-position DIP. The fire alarm control panel shall be capable of supporting up to four supervised RAN-400s. The Module shall be designed to mount on a dual-gang electrical box with 18 AWG (0.821 mm²) to 14 AWG (2.08 mm²) wire.

Ordering Information

RAN-400: Remote annunciator for FLEX-410 FACP



RAN-400

FEATURES & BENEFITS

- Includes a two-line 16-character LCD display
- Indicates the following conditions with LEDs and the LCD display:
 - Trouble
 - Supervisory
 - Alarm
 - System Status
- Each RAN-400 is individually supervised by the FLEX-410 FACP
- Offers wiring from up to 1,500 ft. (457.20 m) from the FACP
- Designed to operate and appear comparable to the fire alarm control panel's on-board annunciator
- Supports up to four supervised annunciators per each FLEX-410 FACP

RAN-400 Technical Specifications

SYSTEM SPECIFICATIONS

Operating voltage: 24 VDC

Current draw:

Standby: 30 mA

Alarm: 50 mA

Operating Temperature: 32° to 120°F (0° to 49°C)

Maximum Wiring Distance: 1500 ft. (457.20 m)

Dimensions:

Width: 7.188" (18.26 cm)

Height: 5.0" (12.7 cm)

Depth: 1.125" (2.86 cm)

TEMPERATURE AND HUMIDITY RANGES

This system meets NFPA requirements for operation at 0° – 49°C/32° – 120°F and at a relative humidity 93% ± 2% RH (non-condensing) at 32°C ± 2°C (90°F ± 3°F).

However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15° – 27°C/60° – 80°F.

STANDARDS

The RAN-400 panel is designed to comply with the following standard:

UL Standard: S521

AGENCY LISTINGS AND APPROVALS

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process.

Consult factory for latest listing status.

UL: S521

CSFM: 7165-1703: 0162

ISO 9001 Certification

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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: U.S.A.

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