FIRE·LITE® ALARMS INCORPORATED

December 10, 1996 A3-600

911AC

Digital Alarm Communicator Transmitter

Section: Control/Communicators

GENERAL

The Fire•Lite 911AC is a compact, cost-effective Digital Alarm Communicator Transmitter (DACT). Providing three channels (inputs), the 911AC is ideally suited for monitoring host FACPs for central and remote station operation or as a stand-alone unit for waterflow/supervisory monitoring.

S635 CS572

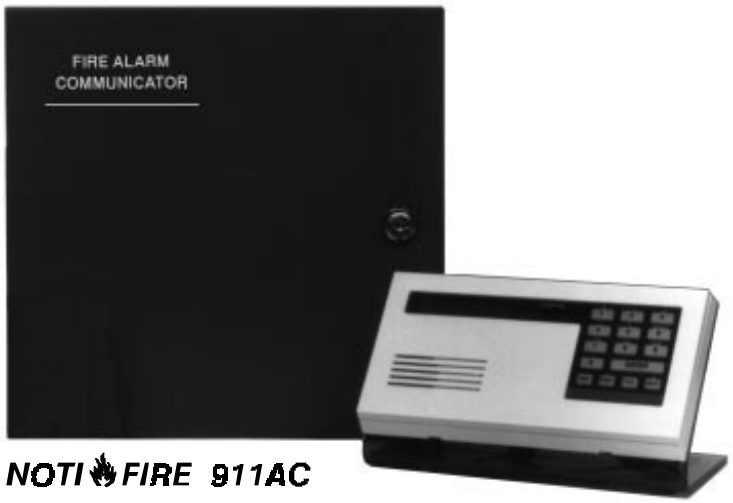
California State Fire Marshal 7165-0075:152

MEA 12-92-E

FM 0V3A4.AY

FEATURES

- Three-zone Digital Alarm Communicator Transmitter.
- UL listed for NFPA 72 (1993 edition) Central Station and Remote Station applications.
- Can be used as a stand-alone communicator for sprinkler system monitoring or as a slave communicator for off-premises transmission of existing fire systems.
- UL listed as power-limited.
- Optional Telephone Trouble Relay for connection to an external annunciation device.
- Optional Alarm Relay for annunciation of Zone 1 Alarm Initiating Device Circuit (IDC).
- Dual telephone lines for Central/Remote Station reporting.
- Primary and alternate telephone numbers.
- Built-in telephone trouble LED and buzzer.
- Compact size and easy to install.
- Communicates using BFSK or pulsed single-round fast format (accepts 2,300 Hz acknowledgment tone).
- Automatic test reports (including newly required abnormal test report) every 24 hours.



NOTIFIRE 911AC

NOTIFIRE D5050

CONSTRUCTION & OPERATION

Zone 1 is a four-wire Class "A" Alarm Initiating Device Circuit. In a stand-alone application, this zone can be used to monitor up to five waterflow alarm switches, or up to 100 mechanically operated devices such as heat detectors and manual pull stations. In a slave application, this zone can be used to monitor an alarm output on a host fire alarm control panel.

Zones 2 and 3 are Class "B" Supervisory Circuits. They can be used to monitor up to 20 sprinkler supervision devices in a stand-alone application, or can be used to monitor trouble outputs on a host fire alarm control panel in a slave application.

The 911AC is UL listed for NFPA 72 Central Station Fire Alarm Systems and NFPA 72 Remote Station Fire Alarm Systems.

Housing

The control is mounted in a red plastic non-conductive housing, which is further enclosed in a red metal stand-alone fire enclosure with key-lock and transformer. The control has a sliding cover which can be opened to expose the terminal strip, programming jack, and two relay sockets.

Optional Relays

Two separate relay sockets are provided so that optional relays can be installed. These relays provide outputs for Trouble and Alarm.

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ISO-9001
Engineering and Manufacturing Quality System Certified to International Standard ISO-9001

Made in the U.S.A.

Phone Line Connections

Two modular phone connectors on the 911AC provide connections to two separate telephone lines using RJ31X or RJ38X jacks. Both telephone lines are supervised. If one of the phone lines is operational and the other is in trouble, a report is sent to the central or remote station.

Phone Trouble LED

A yellow LED provides a visual indication of trouble conditions on either of the telephone lines. The LED can be viewed through a hole in the cover.

Phone Trouble Buzzer

A buzzer provides an audible indication of telephone line trouble. The buzzer and the LED both follow the phone line trouble. The buzzer can only be silenced by correcting the telephone line trouble.

SPECIFICATIONS

Listings and Approvals:

- *NFPA 72:* Central Station Fire Alarm Systems.
- *NFPA 72:* Remote Station Fire Alarm Systems.
- *UL Standard 1635:* Digital Alarm Communicator/Transmitters.
- *UL Standard 864:* Control Units for Fire Alarm Systems.

FCC Registration: AJ9USA-61104-AL-E.

Ringer Equivalence: 0.0 B (AC), 1.3 B (DC).

Programming: A digital programming unit with a keypad, Model D5050, is available for programming the 911AC.

Power Input: 12 VAC, 20 VA with 12 VDC battery.

Minimum Operation Voltage: 9.1 VDC.

Operating Current:

Idle: 29.5 mA (12 VAC Mode).

Max.: 157.6 mA (12 VAC Mode).

Batteries:

- 12 V, 7.0 A.H. — required for NFPA 72 stand-alone applications.
- 12 V, 4.2 A.H. (NFPA 72 slave applications only).

Response Time: *Zone 1:* 0.2 to 90 seconds, depending on Retard/ Reset time. *Zones 2 & 3:* approximately 2 - 4 seconds.

Phone Voltage and Current:

Minimum: 10 VDC, 10 mA.

Normal: 48 - 52 VDC.

Operating Temperature: 32°F to 120°F (0°C to 48.8°C).

Wire Specifications: Refer to Article 760 of NEC, NFPA 70 for wire specifications.

PRODUCT LINE INFORMATION

911AC

Includes installation information, battery leads, one 1.8 K ohm EOL resistor, stand-alone enclosure, transformer and phone cords.

D136 Alarm/Trouble Relays
D5050 Programmer

Allows 911AC programming.

PS-1270

Battery, gel-type, 12 V, 7.0 AH (stand-alone applications).

PS-1242

Battery, gel-type, 12 V, 4.2 AH (slave applications).