

FireWarden-100-2(E)

Intelligent Addressable FACP with Built-In Communicator



Addressable

General

The Notifier FireWarden-100-2 (NFWO-100) is a combination FACP (Fire Alarm Control Panel) and DACT (Digital Alarm Communicator/Transmitter) on-site circuit board. This compact intelligent addressable control panel has an extensive list of powerful features.

The SLC (Signaling Line Circuit) of the FireWarden-100-2 operates using a Rapid Group Polling communication protocol technology that polls multiple devices simultaneously for a quicker device response time. This patented technology allows a fully-loaded panel with up to 199 devices to report an incident and activate the notification circuits in under 10 seconds. With this improved polling, devices can be wired on standard twisted, unshielded wire up to a distance of 10,000 feet. (Consult the wire table on page 3 for specific installation instructions.)

The FireWarden-100-2's quick-remove chassis protects the electronics during construction. The backbox can be installed allowing field wiring to be pulled. When construction is completed, the electronics can be quickly installed with just two bolts.

Available accessories include LED, graphic and LCD annunciators, and reverse polarity/fault box transmitter.

The panel is programmed through the FACP's keypad or via a standard PC-2 computer keyboard, which can be plugged directly into the printed circuit board. This permits easy typing of address labels and other programming information.

NOTE: Unless otherwise specified, the terms FireWarden-100-2 is used in this document to refer to both the FireWarden-100-2 and the FireWarden-100-2E FACP's (Fire Alarm Control Panels).

Features

- Listed to UL standard 864, 9th edition.
- On-board DACT.
- Four Style Y (Class B) or two Class A (Style Z) NAC circuits.
- Selectable strobe synchronization for System Sensor, Wheelock, and Gentex devices.
- Remote Acknowledge, Silence, Reset and Drill via addressable monitor modules.
- Up to 32 annunciators or remote annunciators via EIA-485.
- EIA-232 printer/PC interface (variable baud rate) on main circuit board.
- Integral 80-character LCD display with backlighting.
- Real-time clock/calendar with automatic daylight savings control.
- Detector sensitivity test capability (NFPA 72-compliant).
- History file with 1,000-event capacity.
- Maintenance alert warns when smoke detector dust accumulation is excessive.
- Automatic device type-code verification.
- One person audible or silent walk test with walk-test log and printout.
- Point trouble identification.
- Waterflow (nonaddressable) selection per monitor point.



- System alarm verification selection per detector point.
- PFS (Positive Alarm Sequence) and pre-signal delay per point (NFPA 72 compliant).

NOTE: Only detectors may participate in PFS.

SLC LOOP:

- SLC can be configured for NFPA Style 4, 5, or 7 operation.
- SLC supports up to 199 addressable devices per loop (99 detectors and 99 monitor, control, or relay modules).
- SLC-loop maximum length 10,000 ft. (3,000 m.). See wire table on page 3.

NOTIFICATION APPLIANCE CIRCUITS (NACS):

- Four onboard NACs with additional NAC capability using output control modules (NAC-100).
- Silence inhibit and Auto Silence timer options.
- Continuous, Match Time, Temporal or California code for main circuit board NACs with two-stage capability.
- Selectable strobe synchronization per NAC.
- 2.5-amps maximum per each NAC circuit.

NOTE: Maximum or total 24VDC system power shared between all NAC circuits and auxiliary power outputs is 2.5 amps. (System power increased to 6.5 amps with optional XRM-24 transformer.)

PROGRAMMING AND SOFTWARE:

- Autoprogram (learn mode) reduces installation time.
- Custom English labels (per point) may be manually entered or selected from an internal library file.
- Two programmable Form-C relay outputs.
- 99 software zones.
- Continuous fire protection during online programming at the front panel.

Notifier Firewarden 100 Installation Manual

M Lipman



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