

FireWatch-200 Fire Alarm System Control Unit

Features:

- 2 Zone Non-Expandable Construction
- 2 Style "B"/Class B Conventional Initiating Device Circuits
- 1 Style "Y"/Class B Conventional Notification Appliance Circuit Rated @ 3/4 Amp max. @ 24 Vdc Nominal
- 120 Vac Primary Power Output
- Discrete Component Solid-State Design
- Built-In Surge Suppression
- Built-In Brown-Out Circuitry
- Low Current Drain of Panel Minimizes Battery Ampere-Hour Requirements
- Supervision of Battery
- Two-Wire Smoke Detector Compatible
- Trouble Silence With Resound
- Ground Fault Circuit
- Disable Switch to Silence Alarm
- UL, CSFM & MEA Listed
- Made in U.S.A.

Description

The compact Model **FireWatch-200** Fire Alarm Control Panel is a two zone, non-expandable unit with built-in surge suppression and brownout circuitry. Ideal for smaller sized buildings, Model **FireWatch-200** operates with any compatible two-wire smoke detector or other standard open channel alarm initiating device.

Solid state panel circuitry features two Style "B" (Class B) Initiating Device Circuits and one Style "Y" (Class B) Notification Appliance Circuit rated @ 0.75 amps. Trouble silence with resound, disable switch and ground fault circuit come standard.

The FireWatch-200 provides ground fault detection, both positive and negative. A single ground fault activates the system buzzer and system trouble indicator.



Model FireWatch-200

All operator functions are located behind the locked cabinet door. There are slide switches for: system reset, trouble silence and alarm silence.

Battery charging capacity is up to 7 AH @ 24 Vdc. The battery charging type is lead acid (gel-cel). The control unit is protected from reverse battery connection by means of a self restoring PCB-mounted fuse. If the battery is connected in reverse, the fuse will open and a trouble will be indicated. The battery is supervised for no and low battery. If this condition occurs, a trouble condition will be indicated on the system.

Options available for Model **FireWatch-200** include:

System Relay Module: provides two system alarm relays with form "C" contacts, rated for 3 amps @ 30 Vdc and 120 Vac. The board mounts in the back box above the battery set. Order number: 13202.

Alarm City Tie Module: provides supervised output to a municipal box transmitter and alarm. Reverse polarity output can be reconfigured to open on trouble if no alarm exists. Order number: 13203.

Semi-Flush Mounting Trim Ring: 1- piece trim kit for FW-200, 13-1/4" (W) x 12-3/4" (H) Order number: 13209

System Specifications

Environmental

Operating temperature Normal:
68 - 77°F (20-25°C)
Extreme:
32 - 120°F (0-49°C) up to 3 hours
Relative humidity
Extreme: 85% @ 86°F up to 24 hours

Primary Input Voltage

Primary Input Voltage:
13200-120: 120 Vac (50/60 Hz)
13200-240: 240 Vac (50/60 Hz)
Maximum primary input current:
13200-120: 1.0 A at 120 Vac
13200-240: 0.5A at 240 Vac

Secondary and Trouble Power Supply

24 volt sealed lead-acid battery set
Maximum charge voltage: 28 Vdc
Maximum charge current: 1.5 A
Maximum input current: 1.0 A
Battery capacity: 7 A.H.

Resettable Smoke Detector Power

Power Limited
Voltage: 24 Vdc nominal
Ripple: 1 V p-p maximum

Initiating Device Circuits

Power Limited
2 Style "B"/Class B zones minimum
Standby voltage range: 16-27 Vdc
Maximum standby current: 10 mA
Maximum standby detector current:
3 mA @ 24 Vdc
Maximum alarm current: 53 mA
Maximum ripple: 1 Vac
Maximum wire loop resistance: 100 ohms

Notification Appliance Circuits

Power Limited
Maximum standby current: 3.4 mA
Alarm voltage: 24 Vdc nominal
Maximum alarm current: .75 Amp
Maximum ripple: 1.5 Vac
Maximum loop drop voltage: 1.0 Vdc

Optional City Tie (SCT)

Reverse Polarity
Power Limited
Voltage: 24 Vdc nominal
Current: 0.010 Amp maximum
Ripple: 1 Vac maximum

Optional Status Relays (SRM)

Power Limited Contact Rating:
3.0 Amp, 30 Vdc max. resistive
3.0 Amp, 120 Vac max. resistive
Maximum wire loop resistance: 6 ohms

Enclosure Construction

Painted Steel, Red

Dimensions

9-15/16" (H), 10-3/8" (W), 5-1/4" (D)

Ordering Information

Catalog No.	Order No.	Description
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FireWatch-200 Control Panel - 2 IDCs, Style "B" (Class B) & 1 NAC, Style "Y" (Class B)

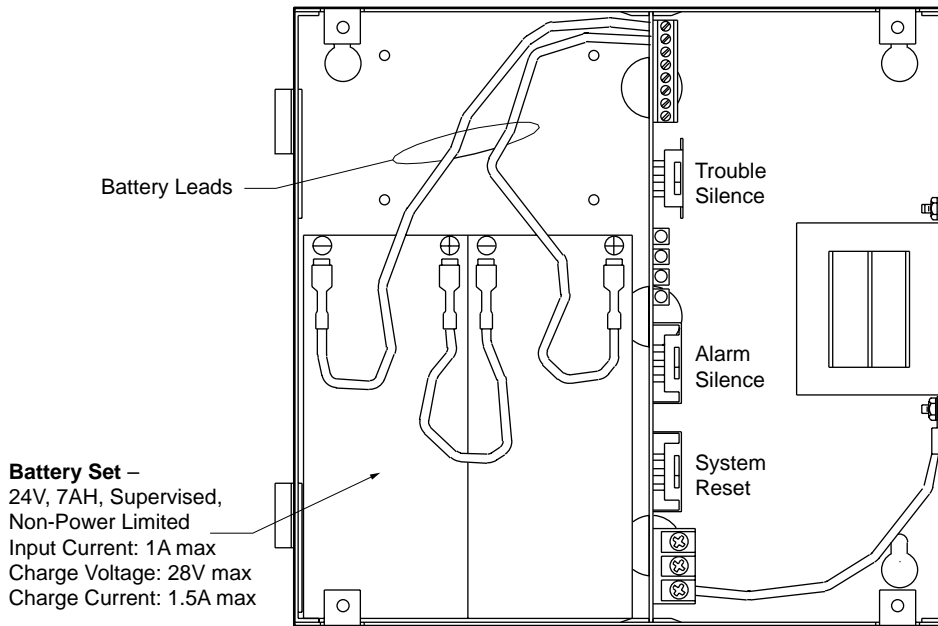
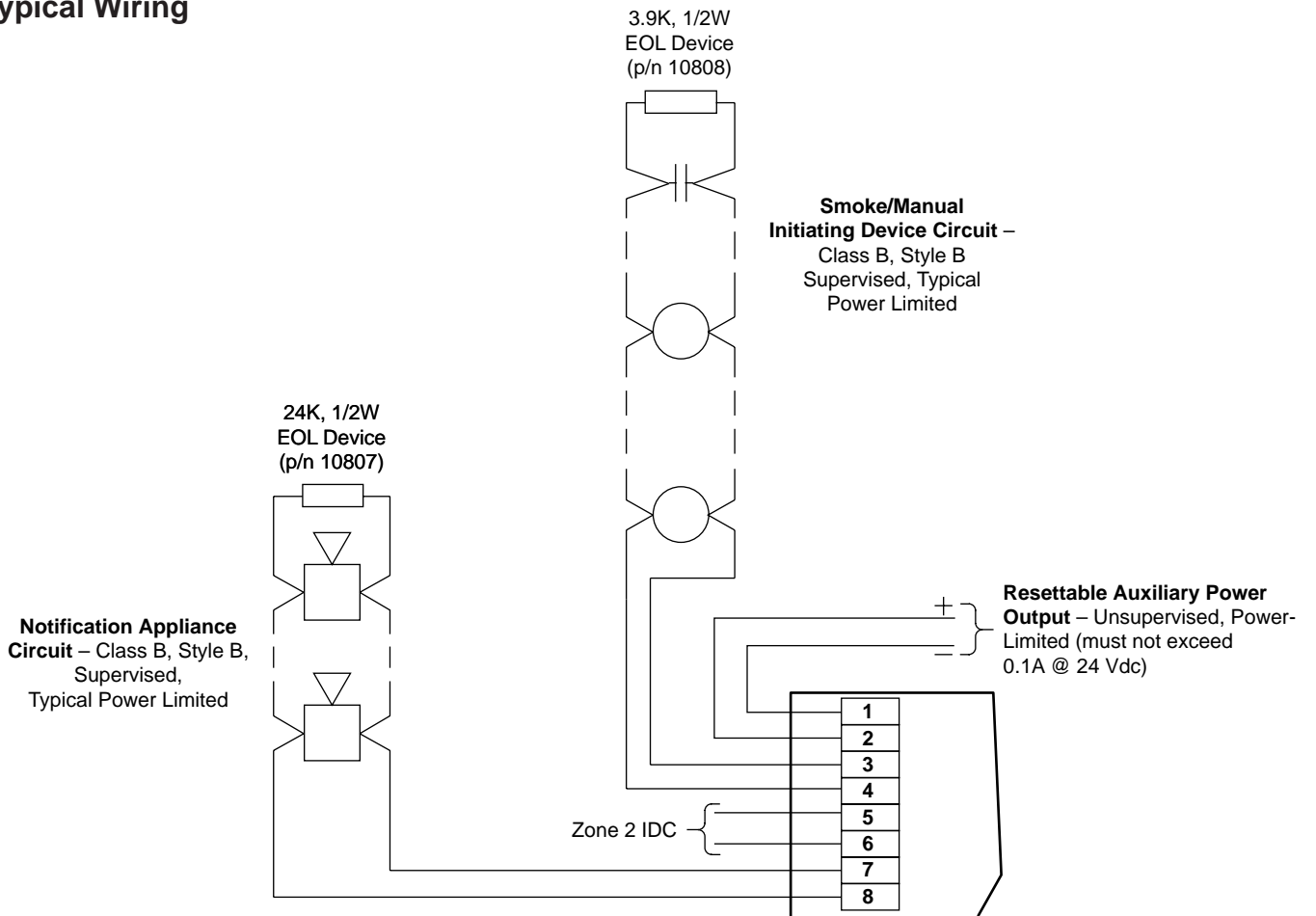
FireWatch-200 13200-0-14-120 Base unit with surface cabinet, 120 Vac

FireWatch-200 13200-0-14-240 Base unit with surface cabinet, 240 Vac

Options for FireWatch-200 Panel

13202	13202	Alarm Relay Module
13203	13203	Alarm City Tie Module
13209	13209	Semi-Flush Trim
15128	DC-100	Digital Communication Sub-Assembly
14047	14047	7.0 Amp/Hr Battery Set

Typical Wiring





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