

SFP-2404(E)

Fire Alarm Control Panel



Conventional Fire Alarm Control Panels

General

TheNotifier SFP-2404 and SFP-2404E Fire Alarm Control Panels (FACP)s bring the latest in microprocessor technology to conventional fire controls. The SFP-2404 is compatible with the JPM smoke detectors from System Sensor, with drift compensation, maintenance alert, and freeze warning. Automatic synchronization of audiovisual devices with these selections for manufacturer protocol. The Notification Appliance Circuit (NAC) protocol can silence audible devices while strobes continue to flash, using a single pair of wires.

The SFP-2404 is compatible with conventional input devices such as two- and four-wire smoke detectors, pull stations, water-flow devices, tamper switches and other normally-open contact devices. Refer to the Notifier Device Compatibility Document 15275 for a complete list of compatible devices.

Note: Unless indicated otherwise, the term "SFP-2404" refers to both SFP-2404 and SFP-2404E models.

Features

- Four Style B (Class B) Initiating Device Circuits (IDCs).
- Two Style Y (Class B) NACs.
- Optional module that converts all four IDCs and two NACs to Class A operation.
- 24 VDC.
- JPM Technology features:
 - Drift compensation automatically adjusts detector sensitivity and increases resistance to false alarms caused by dust accumulation.
 - Maintenance Alert LEDs (one zone) warn of excessive dirt accumulation, preventing false alarms (meets NFPA 72 requirements).
 - Detector sensitivity is automatically measured by the detector, which automatically adjusts its sensitivity back to the factory settings when it becomes more sensitive due to contaminants settling in the chamber.
 - Wireless handheld sensitivity meter eliminates the need for solenoids, magnets, and a physical connection to the detector. The meter displays sensitivity in terms of percent per foot obscuration and provides test status indication.
 - Supervisory LED (one zone) provides warning if a detector senses temperature approaching freezing.
 - Special test protocol and LED indication allows quick test of all detectors without need for a ladder.
- NAC synchronization features:
 - Synchronization of standard ANSI audible signals as required by NFPA 72.
 - Synchronization of ADA compliant strobes per NFPA 72.
 - Selectable for System Sensor, Whetlock, and Gentec protocols.
 - Selective Silence feature for manual silence of horns while strobes continue to flash on the same NAC.
 - Alarm verification selectable for each zone.
- Disable switches provided per zone.
- NACs programmable for:
 - Silence Initial
 - Auto Silence
 - Strobe Synchronization
 - Selective Silence (horn-strobe mute)
 - Temporal or Steady signal
 - Silenceable or Non-silenceable



- Silent or audible Walk Test operation mode commanded from the front keypad, with automatic return-to-normal after one hour of inactivity.
- Each zone may be programmed for supervisory or fire; each zone has separate red and yellow LEDs.
- Zone 4 is programmable for combination of tamper supervisory monitoring and waterflow alarm.
- Form-C Alarm, Trouble, and Supervisory relays.
- 2.0 A total usable current.
- 5.0 A total usable current available with optional second transformer.
- Control Buttons:
 - ACK (Acknowledge)
 - Alarm Silence
 - Reset
 - Walk Test
 - Zone Enable/Disable (one per zone)
- LED Indicators:
 - Fire Alarm (one per zone)
 - Supervisory (one per zone)
 - Trouble (one per zone)
 - Maintenance (one per zone)
 - AC Power
 - NAC Disable
 - Zone Disable
 - NAC Fault
 - System Trouble
 - Power Trouble
 - Walk Test
 - Alarm Silence
 - Earth Fault (on circuit board)
 - Battery Fault (on circuit board)
 - Charger Fault (on circuit board)
- Piezo sounder for alarm, trouble, supervisory and maintenance.
- Optional plug-in 40TDM transmitter module.
- Optional plug-in 40LDM zone relay module.
- Optional 40LMI transmitter module for RZA-40L remote LED annunciator.
- Optional glass panel.

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