FPA-1000 Analog Addressable Fire Panels

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Invented for life

- Support for up to 508 points on two analog addressable loops
- Built-in Ethernet connector for web-browser based programming and Conettix Alarm-over-IP communication
- Two on-board NACs and dual-line PSTN DACT
- Peer-to-peer networking of up to eight panels in a single group
- Simple system management and free online training

The FPA-1000 Analog Addressable Fire Panels are a scalable solution for fire detection. Protect your small office with a single system or connect multiple panels together as your needs grow. Networking capabilities support the monitoring of up to 2,000 addressable points in one system for campuses or other large commercial environments.
The FPA-1000 panels combine complete built-in Fire Alarm Control Panel (FACP) equipment such as Notification Appliance Circuits (NACs), Signaling Line Circuits (SLCs), relays, power supply, Digital Alarm Communicator Transmitter (DACT), and Ethernet connection with expandability using the option bus or plug-in boards. The two integrated NACs can be expanded with remote addressable NAC power boosters and programmed with specific activation patterns.
The standard control panel includes one SLC that supports 254 addressable points (254 analog detectors or modules, or 127 analog sounder bases in combination with a suitable detector). The control panel is easily expandable with the FPE-1000-SLC Signaling Line Circuit Plug-in Module, doubling the address points to 508.

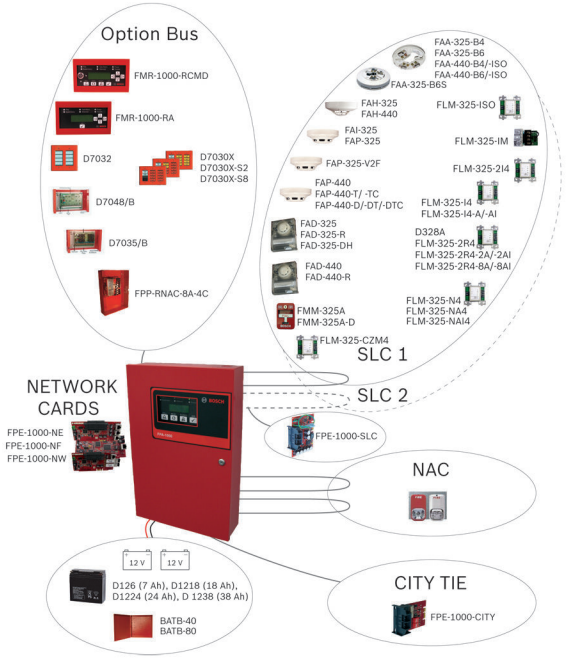
The panel has a compact and solid metal housing with a keyed lock and a removable dead front door to access electronics. It features surface and semi-flush mounting options. On the front of the panel, six light-emitting diodes (LEDs) show Fire, Carbon Monoxide (Gas) Alarm, Power, Supervisory, Silenced, and Trouble conditions. The built-in keypad can be used for total system control and programming even when wearing fireman gloves. In addition, a large 4-line by 20-character alphanumeric LCD display shows programmed device point information. Four keys enable Drill, Reset, Silence, and Acknowledge functions.
The FPA-1000 panels enable various programming approaches:

- Front panel programming
- On-site programming, using a laptop with the possibility of pre-programming at the office
- Off-site programming, with remote access via Ethernet (browser-based).

Front panel programming provides an auto-learn function, allowing the installer to configure the system quickly and easily in default mode. Using a local laptop or remote access communication, the programming is carried out by means of a browser-based user

interface. Therefore, no software installation is required. The panel can receive diagnostics from a Web browser running on a networked PC.

System Overview



Functions

Peer-to-peer Communications

The FPA-1000 panels (-V2) allow peer-to-peer networking of up to eight panels in a single group supporting a system which can include up to 2000 points.
Networked panels act as a single panel – enabling all events to be displayed on all units. All connected panels can easily be programmed and controlled via any connected panel.
Ethernet, fiber optic, or 2-conductor wire inter-panel connections can be mixed providing flexibility in system design.

System Management

A set of interactive Web pages gives you an instant means to access and record important system functions. This unique feature enables programming and diagnostic capabilities while offsite, streamlining installation and reducing the time required for servicing the system. And, you can check status and manage the system from virtually anywhere on the network.

Communications

The FPA-1000 panel has a dual phone line PSTN/DACT circuit and an Ethernet connection featuring Conettix IP reporting. The panel communicates in Contact ID, SIA, and Modem IIIa^2. The panel provides miscellaneous reporting functions such as dialing control and transmission supervision, priorities of report groups, routing to destinations, manual and auto test reports, and Anti-Replay feature.
For the primary and secondary account, the following features are programmable:

- Two different phone or IP numbers
- Different dialing types for PSTN (pulse only, automatic, or tone only)
- Individual PSTN line supervision (audible and visual trouble signal in the case of a transmission path failure)
- Selectable options for Report Steering Groups
- Programmable acknowledge wait time for each IP reporting Conettix account (10 sec up to 255 sec)
- Test report frequency individually programmable for each account (4, 12, 24 hour, 7 and 28 day intervals, standard frequency 24 hour)

Applications

The FPA-1000 panels are recommended for a wide range of commercial and public building applications, including:

- Retail – single building applications
- Education – schools and universities
- Residential - apartment buildings
- Commercial – manufacturing plants, warehouses and office complexes
- Government and Public Service – military bases and installations
- Medical – healthcare facilities

Multi-criteria Detectors

A range of pull stations, modules, accessories and detectors are available to meet the needs of your application. These include the new Automatic Fire Detector 440 Series that incorporate multi-criteria technology for higher sensitivity, faster detection, and fewer false alarms.

Gas detection

Integrated gas detection is an important element of your facility's fire and life safety strategy. Using FCC-380 Carbon Monoxide detectors combined with an addressable monitor module, you can set your system to alarm for carbon monoxide to meet the NFPA 720 (2009) requirements for visual and audible annunciation for this hazardous gas.

Notification Appliance Circuits (NACs)

Two Class A Style Z or Class B Style Y NACs provide up to 4 A of 24 V power (non-synchronized: 2.5 A per NAC; synchronized: 2.75 A NAC 1 + NAC 2 in total) to operate horns, strobes, bells, and other notification appliances. Each NAC can be programmed to provide Temporal Code 4, Temporal Code 3, and steady, pulsing, and synchronized protocol output for Wheelock, Gentex, and System Sensor notification appliances.

On-board Relays
Three programmable on-board relays default to global alarm (zone 226), global system trouble (zone 227), and global system supervisory (zone 228). They can be programmed to activate on a variety of conditions including gas alarm.

Option Bus
On the Option Bus, the FPA-1000 supports:
- up to eight FMR-1000-RCMD Remote Command Centers and FMR-1000-RA Remote Annunciators in any combination
- up to eight D7030X Series LED Annunciators with eight LED zones each,
- up to eight D7030X Series/D7032 combinations
- up to two Octal Relay Modules or Octal Driver Modules
- up to four FPP-RNAC-8A-4C Remote Notification Appliance Circuit Power Supplies.

The outputs of the Octal Relay Modules or Octal Driver Modules are fully programmable, and can be activated by system events. These outputs have the same programming options as the local relays. Each output operates independently of the other seven to provide complete flexibility. Communication with the D7035/B or D7048/B is supervised.

Power
A transformer working with 120 VAC or 240 VAC is supplied standard with the control panel. Two backup batteries with 7 Ah to 18 Ah each fit inside the fire panel cabinet. A separate battery box can provide higher capacity. An automated battery calculator sheet is available online to aid in battery selection and submittal paperwork.
The FPA-1000 panels provide two auxiliary power supplies (one FWR and one DC) with 0.5 A at 24 V each, with switchable AUX/RST. This auxiliary power can run expansion boards or other low current auxiliary devices.
For installations requiring battery capacity higher than 40 Ah, a regulated and UL1481 Listed external power supply can be used. The external power supply connects through the panel's battery terminals and is supervised for AC and battery fault by an input module on the SLC.
The FPP-RNAC-8A-4C Remote NAC Booster adds four additional Notification Appliance Circuits (NFPA 72, Class A Style Z or Class B Style Y) to the fire panel or serves as a power supply for fire protective signaling systems. This regulated power supply provides up to 8 A of power that is used to recharge batteries and operate continuous and intermittent alarm loads. This 8 A of power can be distributed through the four NAC Power Supply circuits that are part of the FPP-RNAC-8A-4C. The FPP-RNAC-8A-4C is UL Listed for use in commercial fire alarm applications.

Signaling Line Circuits (SLCs)
The FPA-1000 Fire Panels communicate with each of the analog addressable devices located on the SLCs. The SLCs allow the use of standard non-twisted, non-shielded wiring. Each panel supports two Class B, Style 4 or one Class A, Style 6 or 7 per SLC.

Certifications and Approvals

Region	Certification	
USA	UL	FSZI.S1871: Emergency Alarm System Control Units (ANSI/UL 2017); UOJZ: Control Units, System (ANSI/UL 864)
	CSFM	7165-1615:0229
	FDNY-CoA	#6101

Installation/Configuration Notes

Mounting Considerations
The cabinet can be either semi-flush (requires optional FPM-1000-SFMK Semi-flush Mounting Kit) or surface mounted.
Depending on the configuration and the battery selection, the FPA-1000 can be quite heavy. When attaching the enclosure to a surface, use mounting hardware (not supplied) capable of supporting this weight, and reinforce the wall as necessary.

Wiring Considerations
The length of wire allowed between the control panel and the last device on a wiring run depends on the current drawn on that wiring run. Reducing the number of devices on a wiring run allows the individual runs to be longer.
If not otherwise specified, use wire gauge 12 AWG to 18 AWG (3.3 mm^2 to 0.8 mm^2).

Notice
Shared cable is not recommended for the Option Bus, addressable-points bus, telephone, or NAC wiring. Do not run wiring for NAC, Option Bus, and SLC in the same conduit. Avoid shielded or twisted-pair wire except for network connections and special applications where a reduced length of wiring (roughly 50%) is acceptable for tolerating a harsh electrical environment.

Point Capacity/Configuration
Each FPA-1000-V2 panel supports up to 508 addresses, 254 per loop. For addresses above 127 on each loop, only the FAA-325-B6S Sounder base, FAP-325-V2F Smoke Detector, FLM-325-I4-A, FLM-325-I4-AI, and FLM-325-IM Contact Monitors, FLM-325-NA4 and FLM-325-NAI4 Supervised Output Modules, FLM-325-2R4-2A and FLM-325-2R4-2AI 2 A Dual Relay Modules, and FLM-325-2R4-8A and FLM-325-2R4-8AI 8 A Dual Relay Modules can be used. For systems requiring more than 127 points per loop,

use these devices on addresses above 127 and other devices below address 127. All compatible detectors and modules are addressed using the D5070 Programmer.

Parts Included

Quant.	Component
1	FPA-1000-V2 main board
1	Enclosure with transformer
1	Enclosure lock and two keys[1] (replacement key: D102)
1	Hardware pack
3	Wiring labels (one each in English, Spanish, and Portuguese)
2	2.21 kΩ EOL resistors (replacement resistors: EOL-2.2K, 8 per package)
	Tabs with different language versions for LED and key text
	Literature (in English, Spanish, and Portuguese) • Installation and Operation Guide • Operating Instruction Sheet • Release Notes

[1] Key code stamped on both lock and key

Technical Specifications

Electrical

Power supply (primary)	
• Current:	120 VAC: 2 A maximum 240 VAC: 1 A maximum
• Voltage:	120 VAC, 60 Hz or 240 VAC, 50 Hz
Power supply (secondary)	
• Current (alarm):	• Panel < 0.240 A • SLC = 0.63 A maximum
• Current (load):	Standby: < 1.25 A Alarm: 4 A Shared maximum • NAC 1 = 2.5 A maximum • NAC 2 = 2.5 A maximum • AUX/FWR = 0.5 A maximum • AUX/RST = 0.5 A maximum • Option bus = 0.5 A maximum
• Voltage:	24 VDC
Batteries	
• Voltage:	2 x 12 VDC in series
• Capacities:	maximum 40 Ah • in cabinet: 7 Ah to 18 Ah • in additional battery box: 24 Ah to 40 Ah
• Fuses:	15 A blade type
Auxiliary power supply (AUX)	
• AUX/FWR:	0.5 A at 24 V FWR Non-switched, power-limited, unfiltered, unsupervised
• AUX/RST:	0.5 A at 24 VDC Switched, power-limited, filtered, unsupervised

Environmental

Environment:	Indoor, dry
Protection Class:	IP 30
Relative Humidity:	Up to 95%, non-condensing
Temperature (operating):	+32°F to +120°F (0°C to +49°C)
Temperature (storage):	+14°F to +131°F (-10°C to +55°C)

Mechanical

Operating Elements	
• LCD:	4-line x 20-character display, backlit
• LEDs:	Six total: Fire, Gas Alarm, Power, Supervisory, Silenced, and Trouble
• Operation Keys:	Drill, Reset, Silence, and Acknowledge
• Alphanumeric Keypad:	12 alphanumeric keys, escape, enter, and navigation buttons (left, right, up, down)
Interfaces	
• PSTN/DACT:	2 lines, RJ45
• Ethernet:	1 x RJ45
• Peer-to-peer communication:	Each interconnected panel requires one of the following: • FPE-1000-NE Networking Card 3-Ethermet • FPE-1000-NF Networking Card 1-Ethernet 2-Fiber Optic • FPE-1000-NW Networking Card 1-Ethernet 2-Wired
Network Connections	
• Ethernet:	minimum of CAT 5 cable at a maximum length of 328 ft (100 m)
• Fiber Optics:	multi-mode fiber optic cable (62.5 µm/125 µm fiber size; 1270 nm to 1380 nm wavelength) with LC connectors at a maximum length of 6560 ft (2000 m or a 10 db loss, whichever occurs first)
• Wired:	12 AWG (2.05 mm) to 26 AWG (0.41 mm) twisted pair wire (shielded or unshielded) at a maximum length of 2952 ft (900 m) or CAT 5 cable or better at a maximum length of 3280 ft (1000 m)
Wiring	
• Cable Entries:	Triple knock-outs (3/4, 1/2, 1 in)

• Connections:	Pluggable terminal blocks for AUX, Option Bus, SLC, NAC, Main Board Relays
• Wire Gauge:	12 AWG to 18 AWG (0.75 mm^2 to 3.25 mm^2)
Enclosure	
• Material:	Cold rolled steel, 19 gauge (1.2 mm)
• Color:	Red
Dimensions	
• Enclosure (W x H x D):	14.5 in. x 4.3 in. x 22.7 in. (36.8 cm x 10.9 cm x 57.7 cm)
• with trim ring (W x D):	17.5 in. x 25.6 in.(44.5 cm x 65.0 cm)
• Semi-flush mounted (H recessed / H flush):	3.25 in. / 1.05 in. (8.25 cm / 2.7 cm)
Weight (enclosure):	18.1 lb (8.32 kg)

Ordering Information

FPA-1000-V2 Analog Addressable Fire Panel
Order number **FPA-1000-V2**

FPA-1000-LC FPA-1000 Analog Addressable Fire Panel less enclosure
Analog Addressable Fire Panel without enclosure
Order number **FPA-1000-LC**

FPA-1000-LT Analog Addressable Fire Panel less transformer
Analog Addressable Fire Panel without transformer for Latin America only
Order number **FPA-1000-LT**

Accessories

BATB-40 Battery Box
The BATB-40 Battery Box holds two dry or wet cell batteries. The box can be used with fire alarm systems or intrusion systems. It measures 21 in. x 20.75 in. x 7.25 in. (53.3 cm x 52.7 cm x 18.4 cm).
Order number **BATB-40**

BATB-80 Battery Box with Shelf
The BATB-80 Battery Box holds up to four dry or wet cell batteries. The box can be used with fire alarm systems or with intrusion systems. It measures 12.25 in. x 20.75 in. x 7.25 in. (31.1 cm x 52.7 cm x 18.4 cm) on the bottom and 9.2 in. x 20.75 in. x 7.25 in. (23.2 cm x 52.7 cm x 7.25 cm) on the shelf.
Order number **BATB-80**

BATB-SHELF Optional Battery Shelf
An optional battery shelf for the BATB-40. It allows two additional batteries to be placed in the battery box.
Order number **BATB-SHELF**

D5070 Analog Device Programmer
Programs address settings on EEPROM-programmable analog devices
Order number **D5070**

D7030X LED Annunciator
Eight zone LEDs indicate alarm conditions.
Order number **D7030X**

D7030X-S2 LED Annunciator
Two LEDs indicate supervisory conditions; six indicate alarm conditions.
Order number **D7030X-S2**

D7030X-S8 LED Annunciator
All eight zone LEDs indicate supervisory conditions.
Order number **D7030X-S8**

D7032 Eight-zone LED Annunciator Expander
Use with D7030X Series LED Annunciators
Order number **D7032**

D7035 Octal Relay Module
Provide eight Form C relay outputs (w/o enclosure) for the D7024, FPD-7024, or FPA-1000 Fire Alarm Control Panels (FACP)
Order number **D7035**

D7035B Octal Relay Module with Enclosure
Provide eight Form C relay outputs (w/ enclosure) for the D7024, FPD-7024, or FPA-1000 Fire Alarm Control Panels (FACP)
Order number **D7035B**

D7048 Octal Driver Module
Module and hardware
Order number **D7048**

D7048B Octal Driver Module with Fire Enclosure
Module, mounting plate, metal enclosure, and hardware
Order number **D7048B**

FAA-325-2.5 Sampling Tube (2.5 ft)
2.5 ft (762 mm) long sample tube for use with the FAD-325 and FAD-325-R Analog Duct Detectors
Order number **FAA-325-2.5**

FAA-325-5 Sampling Tube (5 ft)
5 ft (1.52 m) long sample tube for use with the FAD-325 and FAD-325-R Analog Duct Detectors
Order number **FAA-325-5**

FAA-325-10 Sampling Tube (10 ft)
10 ft (3.05 m) long sample tube for use with the FAD-325 and FAD-325-R Analog Duct Detectors
Order number **FAA-325-10**

FAA-325-B4 4-inch Analog Sensor Base
Is combined with analog addressable detectors that use the advanced digital communication protocol to provide early fire warning for life safety and property protection
Order number **FAA-325-B4**

FAA-325-B6 6-inch Analog Sensor Base
6-inch (152.4 mm) base for FAH-325, FAI-325, and FAP-325 sensors. US sales only!
Order number **FAA-325-B6**

FAA-325-B6S Analog Sounder Base
Contains an addressable sounder which provides an audible alarm in the immediate vicinity and only works in combination with one of the FAH-325, FAI-325, or FAP-325 series analog sensors
Order number **FAA-325-B6S**

FAA-440-B4 Analog Standard Base 4-inch
Order number **FAA-440-B4**

FAA-440-B4-ISO Analog Isolator Base 4-inch
Order number **FAA-440-B4-ISO**

FAA-440-B6 Analog Standard Base 6-inch
Order number **FAA-440-B6**

FAA-440-B6-ISO Analog Isolator Base 6-inch
Order number **FAA-440-B6-ISO**

FAD-325-DH Analog Duct Smoke Detector Replacement Head
Replacement detector for the FAD-325 and the FAD-325-DH Analog Duct Smoke Detectors for use in heating, ventilation, and air conditioning systems
Order number **FAD-325-DH**

FAD-325 Analog Duct Detector
Housing for use in heating, ventilation and air conditioning systems (HVAC) that comes with an FAD-325-DH Analog Duct Smoke Detector Replacement
Order number **FAD-325**

FAD-325-R Analog Duct Detector with Relay
Housing with two Form C alarm contacts for use in heating, ventilation and air conditioning systems (HVAC) that comes with an FAD-325-DH Analog Duct Smoke Detector Replacement. US sales only!
Order number **FAD-325-R**

FAH-325 Analog Heat Detector
Used in indoor environments with high ambient temperatures such as kitchens, boiler rooms, or drying rooms; compatible with 127 addresses
Order number **FAH-325**

FAH-440 Analog Heat Detector
Use with FAA-440 Series bases and FAP-1000 Analog Addressable Fire Panels to provide general property protection
Order number **FAH-440**

FAI-325 Analog Ionization Smoke Detector
For early warning of trouble from superheated or flaming combustibles where outside RFI and other electrical interference is expected. US sales only!
Order number **FAI-325**

FAP-325-V2F Analog Photoelectric Smoke Detector Flat
Used to detect fast-flaming fires and dense smoke typically given off by plastic, foam, paper, wood, and other materials that tend to smolder
Order number **FAP-325-V2F**

FAP-440 Analog Photoelectric Detector
Order number **FAP-440**

FAP-440-D Analog Dual-Photoelectric Detector
Order number **FAP-440-D**

FAP-440-DT Analog Multisensor Detector Dual-Photo/Heat
Order number **FAP-440-DT**

FAP-440-DTC Analog Multicriteria Detector Dual-Photo/Heat/CO
Order number **FAP-440-DTC**

FAP-440-T Analog Multisensor Detector Photo/Heat
Order number **FAP-440-T**

FAP-440-TC Analog Multicriteria Detector Photo/Heat/CO
Order number **FAP-440-TC**

FCC-380 Carbon Monoxide Detector (Macurco CM-E1)
Carbon monoxide detector
Order number **FCC-380**

FLM-325-2I4 Dual Input Monitor
Provides two independent contact monitoring circuits to monitor Normally Open (NO) or Normally Closed (NC) dry contact types of fire alarm devices
Order number **FLM-325-2I4**

FLM-325-N4 Supervised Output Module
Provides a supervised pole reversal output used for acoustic and optical signaling devices or to trigger a remote NAC power expander; compatible with 127 addresses
Order number **FLM-325-N4**

FLM-325-NA4 Supervised Output Module (Class A and B)
Can be wired for Class A or Class B circuits; compatible with 254 addresses
Order number **FLM-325-NA4**

FLM-325-NAI4 Supervised Output Module (Class A and B, with isolator)
Built-in short circuit isolator circuitry; can be wired for Class A or Class B circuits; compatible with 254 addresses
Order number **FLM-325-NAI4**

FLM-325-2R4 Dual Relay Module
Provides two independently-controlled Form C contacts for a variety of Normally Open and Normally Closed applications; compatible with 127 addresses
Order number **FLM-325-2R4**

FLM-325-2R4-2A Dual Relay Module 2 A
Provides 2 A current at two independently-controlled Form C contacts for a variety of Normally Open and Normally Closed applications; compatible with 254 addresses
Order number **FLM-325-2R4-2A**

FLM-325-2R4-2AI Dual Relay Module 2 A with Isolator
Provides 2 A current with built-in short circuit isolator circuitry at two independently-controlled Form C contacts for a variety of Normally Open and Normally Closed applications; compatible with 254 addresses
Order number **FLM-325-2R4-2AI**

FLM-325-2R4-8A Dual Relay Module 8 A
Provides 8 A current at two independently-controlled Form C contacts for a variety of Normally Open and Normally Closed applications; compatible with 254 addresses
Order number **FLM-325-2R4-8A**

FLM-325-2R4-8AI Dual Relay Module 8 A with Isolator
Provides 8 A current with built-in short circuit isolator circuitry at two independently-controlled Form C contacts for a variety of Normally Open and Normally Closed applications; compatible with 254 addresses
Order number **FLM-325-2R4-8AI**

FLM-325-CZM4 Conventional Zone Module
Enables the FACP to interface and monitor up to 25 conventional devices depending on the device type such as two-wire smoke detectors or pull stations
Order number **FLM-325-CZM4**

FLM-325-I4 Contact Monitor 4-inch
Mounted to a cover plate for a 4-inch square or double gang electrical back box; a bi-colored LED provides module status; compatible with 127 addresses
Order number **FLM-325-I4**

FLM-325-I4-A Contact Monitor 4-inch Class A
Can be wired for Class A or Class B circuits; mounted to a cover plate for a 4-inch square or double gang electrical back box; bi-colored LED provides module status; compatible with 254 addresses
Order number **FLM-325-I4-A**

FLM-325-I4-AI Contact Monitor 4-inch Class A with Isolator
Can be wired for Class A or Class B circuits; has built-in short circuit isolator circuitry; mounted to a cover plate for a 4-inch square or double gang electrical back box; bi-colored LED provides module status; compatible with 254 addresses
Order number **FLM-325-I4-AI**

FLM-325-IM Contact Module
Allows compatible fire alarm control panels (FACP) to supervise Form A or B dry contact devices in a polling circuit
Order number **FLM-325-IM**

FLM-325-ISO Short Circuit Isolator
Isolates a shorted section on a specific polling circuit from the rest of the system to minimize the loss of communication
Order number **FLM-325-ISO**

FMM-325A Single-action Manual Station
Communicates with the FPA-1000 Analog Addressable Fire Panels, D9024, D8024, and D10024A FACPs (both power and data) over a two-wire polling circuit
Order number **FMM-325A**

FMM-325A-D Double-action Manual Station
Communicates with the FPA-1000 Analog Addressable Fire Panels, D9024, D8024, and D10024A FACPs (both power and data) over a two-wire polling circuit
Order number **FMM-325A-D**

FMR-1000-RA Remote Annunciator
LCD annunciator without system control capability for use with the FPA-1000 Analog Addressable Fire Panels
Order number **FMR-1000-RA**

FMR-1000-RCMD Remote Command Center
LCD annunciator with system control capability for use with FPA-1000 Analog Addressable fire Panels
Order number **FMR-1000-RCMD**

FPE-1000-CITY City Tie Plug-in Module
Provides the FPA-1000 Analog Addressable Fire Panels with two supervised City Tie Local Energy circuits or Reverse Polarity circuits
Order number **FPE-1000-CITY**

FPE-1000-NE Networking Card 3-Ethermet
Ethernet Networking Card for peer-to-peer communication in an FPA-1000-V2 networked system
Order number **FPE-1000-NE**

FPE-1000-NF Networking Card 1-Ethernet 2-Fiber Optic
Fiber Optic Networking Card for peer-to-peer communication in an FPA-1000 networked system
Order number **FPE-1000-NF**

FPE-1000-NW Networking Card 1-Ethernet 2-Wired
Wired Networking Card for peer-to-peer communication in an FPA-1000 networked system
Order number **FPE-1000-NW**

FPE-1000-SLC Signaling Line Circuit Plug-in Module
Provides a Signaling Line Circuit (SLC) for connection of analog devices to the FPA-1000 Analog Addressable Fire Panels
Order number **FPE-1000-SLC**

FPM-1000-ENC Enclosure with Dead Front Door
Enclosure with dead front door
Order number **FPM-1000-ENC**

FPM-1000-SFMK Semi-flush Mounting Kit
The FPM-1000-SFMK Semi-flush Mounting Kit includes a trim ring and mounting hardware.
Order number **FPM-1000-SFMK**

FPP-RNAC-8A-4C Remote Notification Appliance Circuit (RNAC) Power Supply
Adds four additional notification appliance circuits to a fire alarm control panel
Order number **FPP-RNAC-8A-4C**

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