

Protecting Lives and Assets

FPA-1000 Fire Alarm Control Panel



BOSCH

Invented for life

Protect what matters most with Bosch commercial fire systems. Bosch delivers proven performance in accurate and reliable detection and notification resulting from 100 years of expertise in fire safety technology. From fire detection integrated into the intrusion system to fully-dedicated analog addressable systems, Bosch offers a commercial fire system to meet the needs of a wide range of customers.



High quality systems

Extensive testing confirms the performance of our fire systems exceeds regulatory requirements. Using environments like smoke tunnels and fire laboratories, we ensure our systems deliver consistent results you can rely on.

Our solutions provide precise, life-saving information at critical moments and are trusted to help protect office buildings, warehouses, lodging establishments, educational facilities, retail stores and many other types of facilities nationwide. Dependable operation, backed by a three-year warranty, ensures you get the most value for your investment.



Scalable solutions

FPA-1000 Analog Addressable Fire Panels are scalable solutions for fire detection. Protect a small office building with a single panel or larger buildings can have networked fire control panels. Networking capabilities support the monitoring of up to 2,000 points. All connected panels can be easily programmed and controlled via any panel or PC connection. Network topology supports multiple cable types – including Ethernet, fiber optic or two-conductor wire – for inter-panel connections, which offers flexibility in system design.



Easy installation and use

Intuitive programming that requires no additional training helps speed installation to reduce costs for you and your customer. A network module diagnostic LED makes it easy to determine network status, and the panel's built-in programmer ensures you always have the right version. Program the system via the front panel using the auto-learn function for automatic recognition and categorization of all devices and inputs or outputs connected to the panel.

For offsite programming, a set of interactive Web pages give you an instant means to access important system functions. This unique feature enables programming and diagnostic capabilities using any browser-enabled device, streamlining installation and reducing the time required for servicing the system. You can check status and manage the system from virtually anywhere on the network.

Extra-large keypad buttons also make the system easy to operate for first responders without the need to remove protective gloves.

IP communications

Our Conettix IP and cellular communication solutions allow connections via Ethernet or cellular data networks for alarm transmissions to the central monitoring station. This eliminates the need for costly dedicated phone lines and enables faster data transmissions and earlier detection of communication issues.

Integrated gas detection

Monitor for carbon monoxide to meet the regulation requirements for visual and audible annunciation for this hazardous gas. Integrated gas detection is an important element of a fire and life safety strategy.

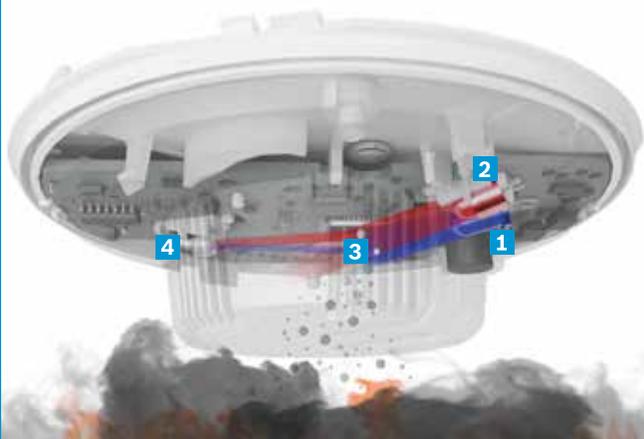
Outstanding detection

For a complete solution, choose Bosch detectors that set the standard for reliable fire detection and false alarm prevention. Each detector uses Intelligent Signal Processing to analyze signals from each sensor, ensuring the pattern matches that of a real fire scenario. This provides more accurate fire detection and faster recognition of different types of fires.

Multi-criteria detectors feature a powerful combination of optical, thermal and carbon monoxide detection to better distinguish between fire and non-fire conditions and reduce false alarms in areas with challenging environmental conditions, such as where dust, steam, or aerosols are present. Dual Ray Technology also ensures high precision detection by comparing the intensity of scattered light from two LED sources to determine smoke density and particle size.

Low cost of ownership

The optimized design of Bosch detectors minimizes labor and replacement costs. For example, when a photoelectric detector becomes contaminated with dust, the LED blinks yellow and sends a dirty signal to the panel. The chamber is easy to clean without disassembling the head to prevent damage. Simply release pressurized air in the back of the head to remove 80 percent of the accumulated dust. The sensor automatically recalibrates to maintain the programmed sensitivity level.



Dual Ray Technology

Detectors equipped with Dual Ray Technology are precise enough to detect the small smoke particles, resulting in fewer false alarms.

- 1 Blue LED
- 2 Infrared LED
- 3 Scattered light
- 4 Photo Diode

System Overview

Analog Addressable Fire Systems



With features that enable easier programming, installation and system management, the FPA-1000-V2 offers a wealth of benefits for both installers and end users.

- ▶ Built-in Ethernet connector
- ▶ Conettix Alarm-over-IP reporting
- ▶ Web-based remote programming and diagnostics
- ▶ UL listed for both fire and carbon monoxide (CO) alarm
- ▶ Large 4-line by 20-character LCD display
- ▶ Extra-large buttons allow operation of the keypad control while wearing protective gloves
- ▶ Dedicated keys for Drill, Reset, Silence and Acknowledge functions
- ▶ Two on-board notification appliance circuits (NAC) circuits
- ▶ Each panel supports up to 508 points on two analog-addressable loops
- ▶ Peer-to-peer networking of up to eight panels (2000 points) in a single group

Listings and approvals

- ▶ UL 864
- ▶ CSFM 7165-1615:0229
- ▶ FDNY CoA #6101

Typical Applications

Medium size commercial premises

- ▶ Corporate Headquarters
- ▶ Office Building
- ▶ Manufacturing facility
- ▶ Dormitory
- ▶ Retail Outlet Store
- ▶ Strip Mall
- ▶ Department Store
- ▶ School
- ▶ Nursing Homes
- ▶ Hotel

Bosch commercial fire systems deliver exceptional value with outstanding detection capabilities, easy installation and service, and dependable performance. Choose Bosch to protect what matters most for your customers.

A complete range of pull stations, modules, accessories and detectors are available to meet the needs of your application.

Detectors



FAP-440
Analog photoelectric smoke head, 24V



FAH-440
Analog heat head, selectable fixed/ROR



FAP-440-T
Analog photoelectric smoke head, 24V



FAP-440-TC
Analog multicriteria head, photo/heat/CO



FAP-440-D
Analog dual photoelectric smoke head



FAP-440-DT
Analog multisensor head, dual-photo, heat



FAP-440-DTC
Analog multicriteria head, dual/heat/CO



FAP-325-V2F
Analog photoelectric smoke detector



FAD-325-V2F-DH
Analog duct smoke head, 2-wire 24V



FAD-325-V2F
Kit, analog duct housing w/ smoke head,



FAD-325-V2F-R
Kit, analog duct housing w/relays & head

Keypads and Annunciators



FMR-1000-RA
LCD annunciator for FPA-1000 w/control



FMR-1000-RCMD
LCD annunciator for FPA-1000 w/ control



D7030X Family
LED annunciators



D7032
Annunciator expander, 8 LED

Expansion and Interface Modules



FPE-1000-SLC
Plug-in SLC module for FPA-1000



FPE-1000-CITY
Plug-in tie module for FPA-1000



FLM-325-2I4
Dual input module for FPA-1000



FLM-325-2R4 Family
Dual relay modules



FLM-325-CZM4
Conventional zone module for FPA-1000



FLM-325-I4 Family
Single input module for FPA-1000



FLM-325-N4 Family
Supervised output modules

Pull Stations



FMM-325A
Analog manual station, single action, red



FMM-325A-D
Analog manual station, double action, red

Networking Modules



FPE-1000-NE
Network card, 3-ethernet



FPE-1000-NF
Network card, 1-ethernet 2-fiber optic



FPE-1000-NW
Network card, 1-ethernet 2-wired

Accessories



D5070
Programmer

A Tradition of Quality and Innovation

For over 125 years, the Bosch name stands for quality and reliability. Bosch is the global supplier of choice for innovative technology, backed by the highest standards for service and support.



Bosch Security Systems proudly offers a wide range of security, safety, communications and sound solutions that are relied upon every day in applications around the world, from government facilities and public venues to businesses, schools and homes.

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