

# Protecting Lives and Assets

## FPD-7024 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

Versatile and scalable, the FPD-7024 Fire Alarm Control Panels are ideal for both small and mid-size projects. Choose a conventional zone system for locations such as convenience stores, day care centers and strip malls. Select the addressable version for identification of the exact device in alarm to save precious time in a fire emergency at mid-size facilities, including office buildings, warehouses and motels.



## Easy installation and use

Intuitive programming helps speed installation to reduce costs for you and your customer. Make small changes via an annunciator keypad or configure the system with a laptop and our familiar Remote Programming Software with no additional training required.

## 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.

## 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.

## 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.



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.

# System Overview

## Conventional and Addressable Fire Systems



The FPD-7024 Fire Alarm Control Panel incorporates proven technology, advanced features and functionality that are not offered in other systems in its class.

- ▶ Built-in keypad
- ▶ Two on-board notification appliance circuits (NAC) circuits
- ▶ 32-character backlit LCD display
- ▶ Full line of remote keypads and annunciators
- ▶ Built-in digital alarm control transmitter (DACT)
- ▶ Upgradeable to Conettix Alarm-over-IP reporting
- ▶ Easy remote programming
- ▶ Upgrade to addressable by adding a FPE-7039 Multiplex Expansion Module

## Conventional Systems

- ▶ 4 built-in zones, easily expandable to 8 zones
- ▶ Each conventional zone supports up to 20 two-wire detectors
- ▶ Class A or B: no need for additional adaptors
- ▶ 99 event history buffer
- ▶ Indicates trouble when smoke detectors are dirty (display of the detector zone)

## Addressable Systems

- ▶ Up to 247 addressable points in addition to 8 conventional zones
- ▶ Indicates trouble when smoke detectors are dirty or contaminated (display of the detector address)
- ▶ No shielded cabling required – save installation cost
- ▶ Class A or B: no need for addition adaptors
- ▶ 499 event history buffer

## Listings and approvals

- ▶ UL 864 10th Edition
- ▶ FM
- ▶ CSFM 7165-1615:0227
- ▶ FCC ESVAL04B7024
- ▶ FDNY CoA #6173

## Typical Applications

- Small to mid size commercial premises
- ▶ Convenience store
  - ▶ Day Care Center
  - ▶ Office Building
  - ▶ Doctor's Office
  - ▶ Warehouse
  - ▶ Restaurant
  - ▶ Bank
  - ▶ Motel

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

### Conventional Detectors



**F220-P / F220-PTH / F220-PTHC**  
Smoke head family, photoelectric, w/ fixed heat (135°F) & CO options



**F220-135 / F220-135F / F220-190F**  
Heat head family, ROR & Fixed or Fixed options



**FCP-500 Family**  
Flush smoke head, photoelectric, WH



**FCP-500-P Family**  
Flush smoke head, photoelectric, colored rings

### Addressable Detectors



**D7050**  
MUX smoke head



**D7050TH**  
MUX smoke head w/ fixed heat (135°F)

### Keypads and Annunciators



**FMR-7033**  
LCD annunciator for FPD-7024 w/ control



**FMR-7036**  
LCD annunciator (FPD-7024) some control



**D7030X Family**  
Annunciators, 8 LED zones



**D7032**  
Annunciator expander, 8 LED zones

### Communication Modules



**B426**  
Ethernet communications module



**B44x series**  
Conettix cellular communicators



**B450**  
Conettix plug-in communicator interface

### Interface Modules



**D7044**  
MUX single-input module



**D7044M**  
MUX mini single-input module



**D7052**  
MUX dual-input module



**D7053**  
MUX input-output module



**D7035**  
Octo relay module, option bus



**D7042**  
Octal input module, MUX bus



**D7048**  
Octo driver module (open collector), option bus



**FPE-7039**  
MUX expansion module



**FLM-7024-ISO**  
MUX bus isolator module



**FPC-7034**  
IDC expander, 4-point



**DX4010V2**  
USB/serial interface module



**FPP-RNAC-8A-4C**  
RNAC power supply

### Pull Stations



**FMM-7045**  
MUX manual station, single action, red



**FMM-7045-D**  
MUX manual station, double action, red

## **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.

### **Bosch Security Systems, Inc.**

130 Perinton Parkway  
Fairport, NY 14450 USA  
Phone: 800.289.0096  
Fax: 585.223.9180  
[www.boschsecurity.us](http://www.boschsecurity.us)

© Bosch Security Systems, Inc., 2016  
Modifications reserved  
Printed in United States | 3/08  
BFIBR\_FPD-7024\_v20170313