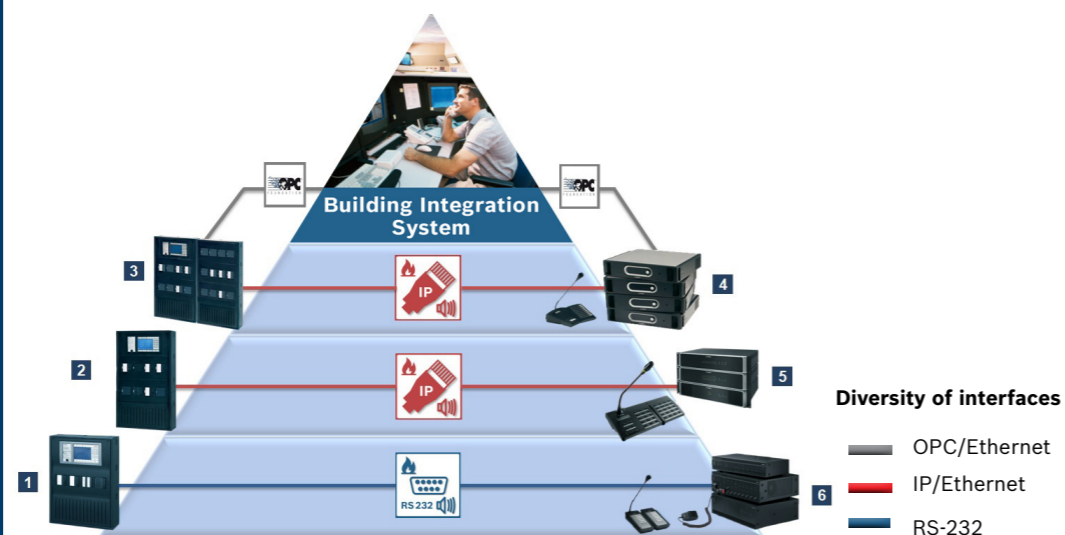


Sound performance that's easy to expand

- 1) FPA-1200
- 2) FPA-5000
- 3) FPA-5000
- 4) Praesideo
- 5) PAVIRO
- 6) Plena VAS



Flexible interfaces for every project

The system is designed for expandability, and all the devices and peripherals work seamlessly together. In smaller applications, the Plena Voice Alarm System can be interfaced in the Modular Fire Panel 1200 or 5000 Series by using a flexible RS-232 interface. In mid-size applications, the intelligent IP interface interconnects our Fire Panels Series with the PAVIRO Public Address and Emergency Sound System. Ideal for larger applications is the Praesideo System. These three systems can also be connected to a superior Building Management System via OPC or by the use of an SDK.

Reliability from a technology leader

The security chain is fully EN-certified (approved for EN 54-2 and -4 for fire and for EN 54-16, EN 60849 and ISO 7240-16 for EVAC), and builds on Bosch's more than 80 years of experience as a technology leader. Each system meets the highest standards for quality, safety and functionality and offers exceptional flexibility and options for expandability. The result is a future-proof installation supported by a world leader in fire detection and voice alarm.

Solution overview by size of application, determining the maximum number of peripherals, channels and zones

Size of application	Typical integrated Fire/EVAC solution
Large site (e.g. airport, railway station, transportation terminal, public building, military facility, shopping mall, high-rise building)	Modular Fire Panel 5000 Series – 2,000+ detectors Praesideo System – multi channel and 60+ zones
Medium site (e.g. hotel, public building, large office, university, mid-rise building)	Modular Fire Panel 5000 Series – 254 to 2,000 detectors Praesideo System – multi channel and 60+ zones PAVIRO System – 1 or 4 channels and up to 60+ zones
Small site (e.g. low-rise building, manufacturing facility, large restaurant, small shopping centre, distribution site)	Fire Panel 1200 Series / Modular Fire Panel 5000 Series – 127 to 254 detectors Plena VAS – 1 or 2 channels and up to 60 zones
Very small site (e.g. church, school, shop, offices, small distribution site)	Fire Panel 1200 Series – less than 127 detectors Plena VAS – 1 channel and up to 6 zones

Bosch Security Systems

For more information please visit
www.boschsecurity.com

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The right combination for the ultimate in protection

Interfaced Fire Detection and Voice Alarm by Bosch.



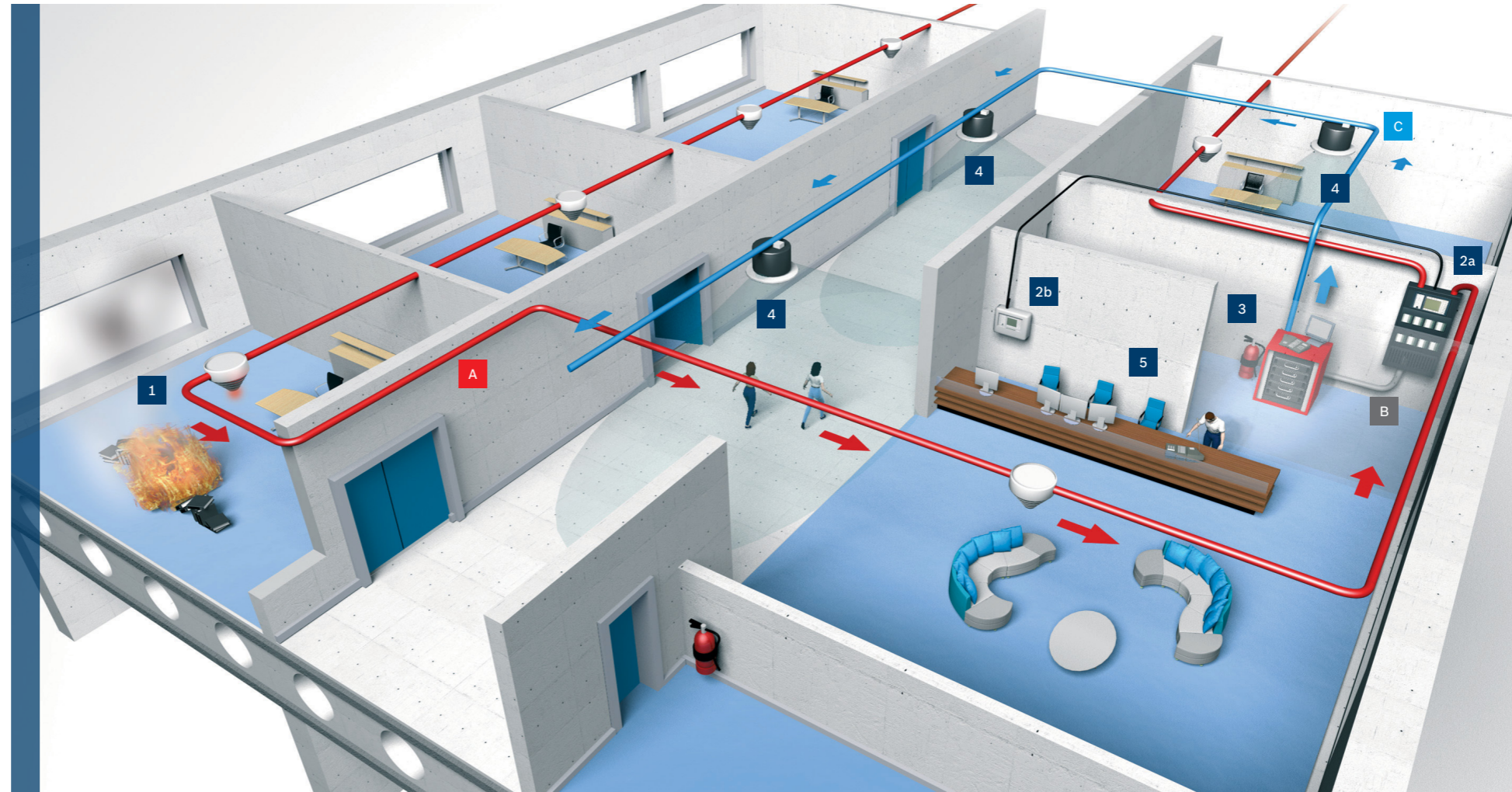
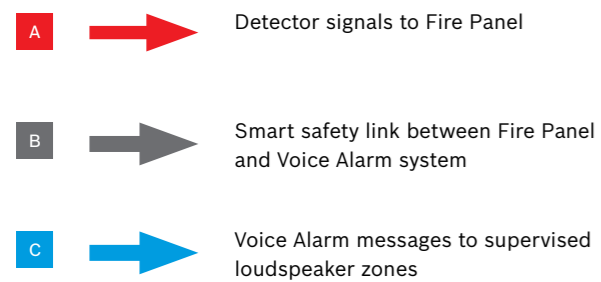
- ▶ Early detection for complete safety protection of people and assets through integrated Fire Detection and Voice Alarm solution
- ▶ Outstanding detection performance and operational reliability
- ▶ Clear voice messages
- ▶ Intuitive to operation
- ▶ Multi stage dynamic evacuation
- ▶ Reliable connection between Fire Alarm and Evacuation system
- ▶ Wide range of products from one supplier
- ▶ Supports projects of all types and sizes

Interfaced Fire Detection and Voice Alarm

Having the right building protection system gives everyone peace of mind – from property owners and security personnel to employees and visitors. When safety is at stake, the system has to respond immediately with accurate, reliable performance and with clear messages that keep everyone calm, no matter what.

Bosch takes an interfaced approach to building protection, offering a combination of proven systems that delivers the ultimate in performance. Beginning with reliable fire detection and continuing through advanced voice alarm, Bosch delivers a safe, future-proof investment for every kind of venue.

All-in-one protection



- Safety chain
- 1) Fire Detector detecting fire hazard
 - 2) a) Fire Panel
b) Remote Keypad
 - 3) Voice Alarm System
 - 4) Loudspeaker zones with pre-recorded alarm messages
 - 5) Security Room (example setup)
 - Remote Keypad
 - Call station for live messages
 - Building Management System

Bringing it all together

The interfaced Bosch system provides a complete safety chain, from earliest detection to an orderly evacuation. Detectors by Bosch, known for their accurate detection, indicate exactly where hazards exist. Peripherals like sirens and flashing lights can be used to indicate different events, and the system can automatically alert the fire department or initiate pre-recorded voice messages. The voice alarm system can address the problem area or the entire building with the correct message. Additional warnings, with different messages, can be used to alert extra local security teams.

Effective fire safety

The addressable fire alarm system includes high-quality panels and peripherals designed for earliest detection. Advanced detectors, interface modules, manual call points, sounders and other peripherals add flexibility and support special applications. Maintenance is easy, with permanent supervision of all system functions and peripherals for added reliability. For smaller venues, the Fire Panel 1200 Series supports up to 254 peripherals, and, in large facilities, a networked solution with the Modular Fire Panel 5000 Series can accommodate up to 32.000 peripherals.



Each system uses a wide range of state-of-the-art peripherals to ensure maximum safety

Advanced voice alarm

Bosch includes everything required for an advanced voice alarm system. Voice messages have excellent speech intelligibility and signals are clear and easy to understand. The system can route pre-recorded messages and signals and can provide background music and commercial announcements during everyday operation. The multi stage dynamic evacuation ensures a highly effective approach to emergency situations. Permanent supervision of system functions and loudspeaker lines adds extra reliability. The Plena voice alarm system, with up to 60 zones, supports smaller applications, while PAVIRO can be connected via the smart IP safety link. It supports more than 60 zones and is the leading choice for medium-sized venues. Ideal for larger-sized buildings is the Praesideo System. It provides the advantage of significantly reducing installation and maintenance times.