



Just as flexible as your plans

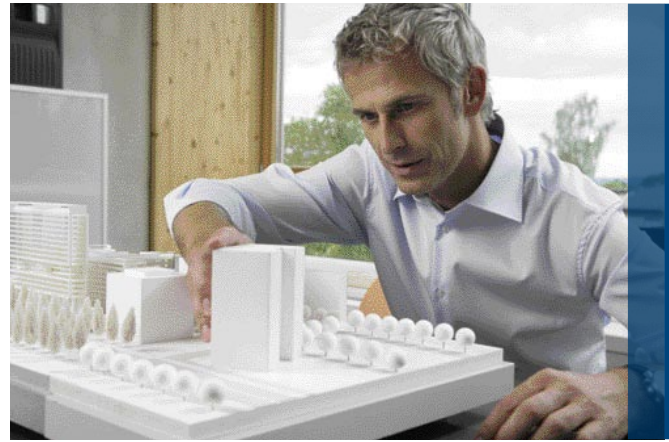
The Bosch Modular Fire Panel 5000 Series



BOSCH

Invented for life

One modular system does it all



Unbeatable flexibility

With the Modular Fire Panel 5000 Series, Bosch is again redefining the market: With this product, you configure your own system according to the modular principle, and you can expand it in accordance with your specific needs. From an isolated control panel with one loop to a complex panel network. The modular system provides reusable “click-and-go” modules and interchangeable housings that are easy to install and operate. The system adapts to the nature and size of your facility’s application so you only buy what you really need – nothing more and nothing less.

The practical CAN bus mounting lets you conveniently place or replace modules anywhere, so they are operational in the shortest possible time. This “hot plug” feature means that the system doesn’t have to be powered down for module changes. And that means that the system continues monitoring security for you without interruption.

Outstanding user-friendliness

Installation and operation of the 5000 Series panel are straightforward and clearly explained. The user interface has been ergonomically redesigned for intuitive operation with a large display. In addition, all indicators and buttons are located directly on the associated modules, making them even easier to use and minimizing operator errors. Updates to configurations are uploaded to the panel using a laptop computer, locally or by remote programming.

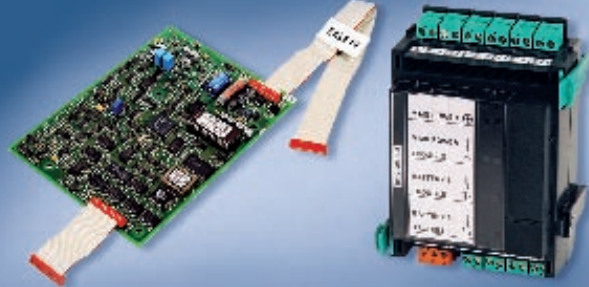
A superior standard of reliability

Continuous self-monitoring by the central processor assures reliable operational control. Optionally, functional integrity can be ensured with a redundant loop configuration and a redundant panel controller. This is supported by automatic diagnostics during installation and operation. Since all modules are protected by a plastic housing, they may be used in harsh environments with confidence. With the Modular Fire Panel 5000 Series system, Bosch puts all your worries to rest.

With Bosch you benefit all along the line



No more open
PCB boards



Encapsulated
and robust

Pay only for what you need

The 5000 Series' modular construction means that it can be adapted precisely to your needs, and it can be expanded easily at any time. The result for you is a customized system that can be extended efficiently as your needs grow.

The end of wiring faults

"Click-and-go" self-contained modules snap simply into place, so expensive wiring faults are almost entirely eliminated. All modules are uniquely identified to prevent confusion and speed installation. Individual detectors can be replaced without having to re-program the system; existing conventional detectors are connected with the 5000 Series through an interface module.

Take advantage of modern maintenance

The extensive diagnostics functions of the 5000 Series fire panel provide better information and fault localization while making maintenance and troubleshooting quicker. When you expand the fire panel to meet your needs for growth, all existing modules may be integrated seamlessly into the larger system.

Simple operation and intuitive design

Self-explanatory processes assist in the intuitive operation of the panel. All panels share the same user interface, regardless of their size.

Face the future with confidence

With a Bosch fire panel system, your equipment investments retain their value because new Bosch systems include an interface to proven technologies and conventional systems. This means that previous expenditures you have made are not sacrificed as technology evolves.

Unbeatable flexibility through modularity

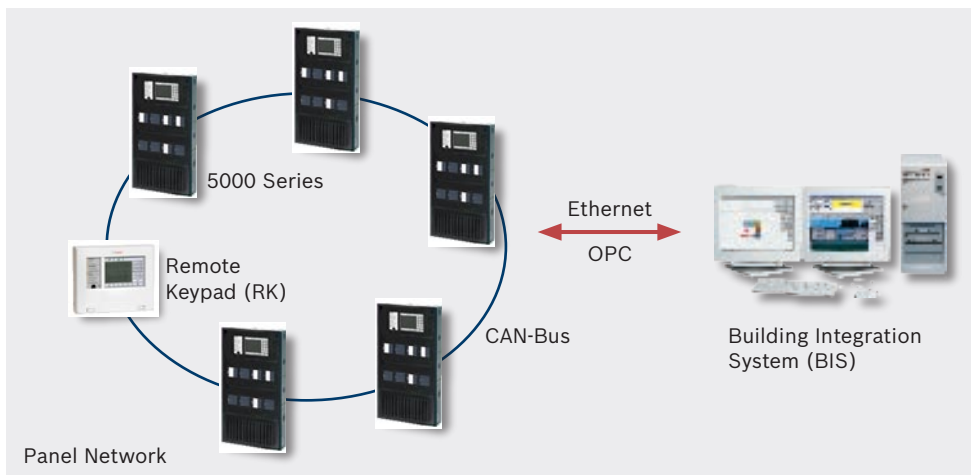


Five good reasons to choose the Modular Fire Panel 5000 Series

- ▶ You get exactly what you need – no more and no less
- ▶ It grows with your requirements
- ▶ Modular construction for unbeatable flexibility
- ▶ Optimize installation and maintenance
- ▶ Minimized storage costs and space requirement



Networking & Integration



The 5000 Series can be connected by means of the CAN-Bus and can be integrated into the Building Integration System

Panel networking

You can connect remote keypads and network the control panels of the 5000 Series by means of the flexible and secure CAN bus technology, a technology that has been proven million fold in the car industry. The network operates on a peer-to-peer basis with its structures ensuring reliable functionality even if errors should occur. The CAN interfaces for networking are already integrated in the panel controller. Different loop topologies ensure that the system is extremely flexible, meaning that you can adapt it perfectly to meet your requirements. You can set up zones within the network to facilitate well-regulated administration.

Integration in Building Management Systems
















The 5000 Series is connected to the Building Management System (BIS) by means of an Ethernet interface and the OPC protocol. It is already integrated in the Panel Controller, no additional interface module is required. The control panel is an integral component of the BIS, where you have extensive options for controlling the fire system. The Modular Fire Panel can be connected to super-ordinate control panels by means of the UGM module, thus providing integration into the environment of large-scale alarm systems.

Remote control

The new remote control unit FMR-5000 is connected to the control panel by means of the CAN bus, and allows complete controlling of the control panel or the panel network. The user interface and operation correspond to the control panel, so you can use it easily without the need for additional training. Not only does FMR-5000 offer a high level of functionality and a handsome design, but it can either be mounted flush with the wall, or onto the wall itself.

Modules for every application

Bosch offers you simplicity, economy and scalability. From a small number of modules and housings, we work with you to configure a customized system that precisely addresses your security monitoring requirements.

Basic modules		
MPC XX00 B Operating and Display Unit with Panel Controller X-XX		Central control unit with 14.5 cm (5.7 ") touchscreen and keypad, available in several languages
BCM 0000 A Battery Controller Module		Monitoring and soft recharging of up to four batteries
Standard modules		
LSN 0300 A LSN improved Module 300 mA		LSN line module for 254 elements, line length up to 1600 m and a 300 mA power supply. Loop, stub and T-Tap topologies possible
LSN 1500 A LSN improved Module 1500 mA		LSN line module for 254 elements, line length up to 3000 m and a 1500 mA power supply. Loop, stub and T-Tap topologies possible
CZM 0004 A 4 Zone Conventional Module		Module with 4 primary lines (conventional technology) in current enhancement equipment for integrating conventional detectors
ANI 0016 A Annunciator Module		Indicator module with 16 red and 16 yellow freely programmable LEDs
NZM 0002 A Notification Appliance Zone Module		Monitored signal generator with up to 3 A power supply for each line. Control modes: include reverse polarity, Wheelock, Gentex, coded, march time and British Standard
RML 0008 A Relay Module		Relay module with 8 relays (each with one 30 V/1 A change-over contact) Low-voltage relay module
RMH 0002 A Relay Module		Relay module with 2 relays for switching 230V/10A control, fan control or VdS standard interface (VdS 2496) for extinguishing systems
IOP 0008 A Input/Output Module		Interface with 8 inputs and 8 open collector outputs
IOS 0020 A 20 mA Communication Module		S1 interface, 20 mA serial interface, RS 232 interface
IOS 0232 A RS232 Communication Module		Two RS 232 interfaces for connecting printers and other electronic devices
FPE-5000-UGM Interface Module		Interface for connecting to UGM and BIS
ENO 0000 B Fire Service Interface Module		Connection and control of transmission device, key safe, 4 freely programmable relays
Remote Keypad		
FMR-5000-XX		Remote Keypad

Fire System Designer – A design tool for easy planning

Laying out and planning the design of your fire alarm system is easier with the Fire System Designer. With this planning tool by Bosch, you will always work with the right system configuration. The Fire System Designer supports the simple and quick definition and configuration of all

necessary modules. The result is an exact list of your needs which means that you do not order more modules than you need to effectively address your safety requirements.



Driven by innovation: Fire Alarm Systems from Bosch

When developing and designing the next generation of fire alarm systems, Bosch understands and incorporates what is most important to its customers. This commitment has inspired us to come up with forward-looking innovations with an exceptional combination of flexibility and economy.

From individual detectors and voice evacuation systems to complete fire alarm systems – every one of our solutions is tailored to meet your requirements to the last detail.

A Tradition of Quality and Innovation

For over 100 years, the Bosch name has stood 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

To learn more about our product offering, please visit www.boschsecurity.com or send an e-mail to emea.securitysystems@bosch.com

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