Fire Monitoring System

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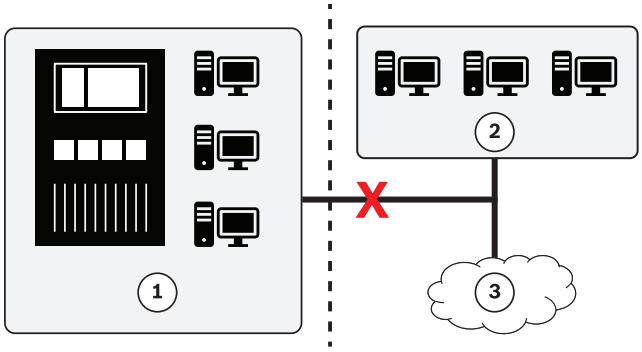
Invented for life

- Monitoring of single or networked panels
- Management of up to 5000 detection points
- Simultaneous connection of up to 10 clients
- Extensive logging of events and operations
- User friendly installation and configuration

The Fire Monitoring System is a graphical user interface for displaying and monitoring small to medium fire alarm systems with up to 5000 detection points. It is compatible with the fire alarm panels FPA-5000 and FPA-1200.

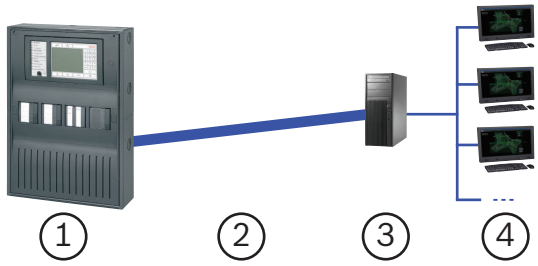
System overview

The fire panels FPA-1200 or FPA-5000 can be connected to the Fire Monitoring System via an Ethernet connection. The connection must be enabled with an ADC-5000-OPC license key. For each Fire Monitoring System only one license key is needed.



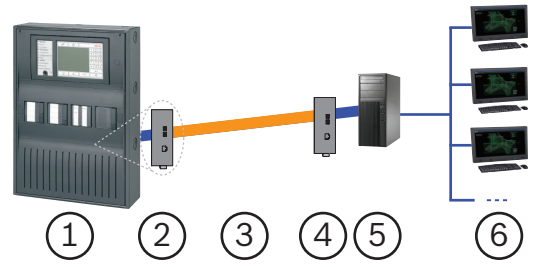
An exclusive Ethernet network in order to set up a central fire alarm network (1) is required. For security and reliability reasons, no networks used for any other purpose (2) may be part of this special network environment. The Fire Monitoring System has to be part of this exclusive fire alarm Ethernet network without direct access to the Internet (3). If an internet connection is established to receive the Fire Monitoring System license, this internet connection must be removed before the fire alarm network is put into operation. Only recommended accessories may be used.

Single panel connection
TX Ethernet cable (copper)



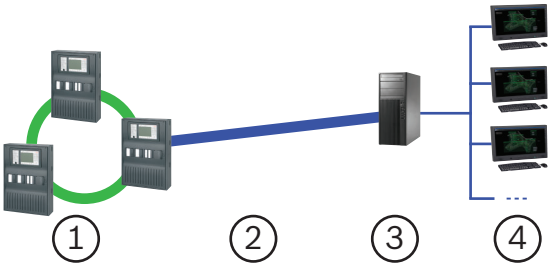
1	Fire Alarm Panel (incl. ADC-5000-OPC license key)
2	Peer-to-Peer connection (100 m max.)
3	Fire Monitoring System: server
4	Fire Monitoring System: clients

Single panel connection
FX Ethernet cable (fiber optic)



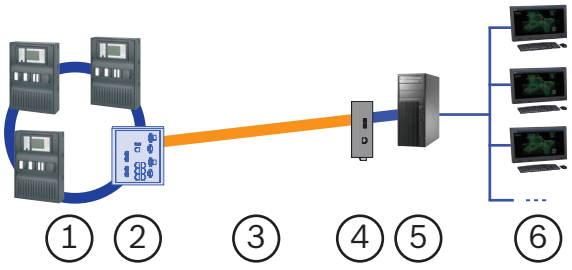
1	Fire Alarm Panel (incl. ADC-5000-OPC license key)
2	Media converter
3	Singlemode (SM)/Multimode (MM) Fiber (40 km/2 km max.)
4	Media converter
5	Fire Monitoring System: server
6	Fire Monitoring System: clients

Panel network connection
TX Ethernet cable (copper)



1	CAN Network (incl. ADC-5000-OPC license key in 1 panel)
2	Peer-to-Peer connection (100 m max.)
3	Fire Monitoring System: server
4	Fire Monitoring System: clients

Panel network connection
FX Ethernet cable (fiber optic)



1	Ethernet network (incl. ADC-5000-OPC license key in 1 panel)
2	Ethernet switch
3	Singlemode (SM)/Multimode (MM) Fiber (40 km/2 km max.)
4	Media Converter
5	Fire Monitoring System: server
6	Fire Monitoring System: clients

Functions

User friendly installation and operation
A wizard guides through the installation as well as the configuration in a few steps. Automatic transfer of the panel configuration to the software allows comfortable object management (e.g. predefined sensors). To add an object, the operator simply clicks on the desired position on the map. System devices can be allocated to objects through a drop down menu.

Importing floor plans
The Fire Monitoring System supports an easy import of various file formats, including dwg and dxf. The software automatically allocates the detector list of the fire panel to the floor plan.

Extended map management
In each map, specific areas can be defined to create sub-maps. In case of event there is an automatic zoom into the relevant sub-map. The operator can manually zoom into maps or sub-map and a pan function allows to move the map in any direction.

Object management on the map
A single sensor or a group of devices can be selected and be moved into another map by a simple Drag & Drop operation. Copy and paste of objects in different maps is supported as well.

User rights management
The authorizations are based on customizable groups. The rights to access to e.g. different sources, maps, alarm zones and devices are managed at group level. Each user can be part of one or more groups.

E-mail notification
Events can be forwarded by e-mail to users according to their user settings.

Event logging
In the event log all procedures and actions are recorded. You can search according to various criteria, cluster and generate statistics, make backups or print the event log. The reports can be exported to Excel.

Connectivity
A standalone fire alarm panel or a panel network with up to 5000 detection points in total can be connected to the Fire Monitoring System.

Language versions
The Fire Monitoring System is available in following languages: Chinese, Danish, Dutch, English, French, German, Italian, Polish, Portuguese, Romanian, Russian, Spanish, Turkish.
The user interface language can be individually defined by the user.

Installation/configuration notes

Hardware preconditions
- Processor: Core i5
- RAM: Minimum 8 GB
- Free Disk Space: Minimum 1 GB
- Network card 100 Mbps
- Monitor resolution: Minimum 1366x768 pixel
- The hardware must be dedicated specifically to the use of the software.

Software preconditions
- Windows 7 SP1 (64 bit)
- Windows 8.1 (64 bit)
- Windows 10 (64 bit)
- Windows Server 2012 R2
- Windows Server 2016
- Microsoft Office (Release 2007 / 2010 / 2013)
- .NET Framework from version 3.5.1

Graphic card preconditions
- Direct3D 9 compatible
- Graphic card driver installed (latest available version)
- Directx Runtime installed

Technical specifications

The Fire Monitoring System is a graphical user interface for displaying and monitoring small to medium fire alarm systems.

Ordering information

FSM-2500 Fire monitoring system
Monitoring Software to manage up to 2500 detection points.
Order number **FSM-2500**

FSM-5000 Fire monitoring system
Monitoring Software to manage up to 5000 detection points.
Order number **FSM-5000**

Accessories

ADC-5000-OPC Licence key for OPC
Enables reliable communication between the OPC server and the FPA-1200 panel or FPA-5000 panel or networks.
Order number **ADC-5000-OPC**

BPA-ESWEX-RSR20 ESW 2040 ethernet switch - EX
8 port fast ethernet switch managed, for DIN rail store-and-forward-switching, with fanless design.
Order number **BPA-ESWEX-RSR20**

RSR20-0800S2S2T Ethernet switch
8 Port Fast Ethernet Switch managed, for DIN rail store-and-forward-switching, with fanless design.
Order number **RSR20-0800S2S2T**

EL1141-10B-BH Media converter, multi-mode
Ethernet Fibre Optics Converter for electric utility automation and acceptance of 10/100 Mbps-Full/Half-duplex, Auto-Negotiation and Auto-MDI/MDIX. Transmission via multimode fibre (MM).
Order number **EL1141-10B-BH**

EL1141-B0B-BH Media converter, single-mode
Ethernet Fibre Optics Converter for electric utility automation and acceptance of 10/100 Mbps-Full/Half-duplex, Auto-Negotiation and Auto-MDI/MDIX. Transmission via singlemode fibre (SM).
Order number **EL1141-B0B-BH**

Services

FSM-2500-EP Fire monitoring system, evolution pack
Yearly maintenance agreement for upgrades of FSM-2500.
Order number **FSM-2500-EP**

FSM-5000-EP Fire monitoring system, evolution pack
Yearly maintenance agreement for upgrades of FSM-5000.
Order number **FSM-5000-EP**

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