



Fire Panel 500 Series LSN

Your gateway to the **LSN**
Local SecurityNetwork



BOSCH
Invented for life



Fire Panel 500 Series LSN

The fire panel you know you can rely on



The Fire Panel 500 Series from Bosch provides the perfect gateway to cutting-edge security technology for small and medium-sized objects. The 500 Series LSN provides the ideal basis for connecting to the Local SecurityNetwork LSN.

The key features at a glance:

- ▶ Damage limitation through early detection of fires
- ▶ Rapid assistance thanks to precise indication of fire location in plain text
- ▶ Freely selectable information texts support alarm organization
- ▶ Simple operation means that even inexperienced operators can familiarise themselves quickly. This cuts response and deployment times
- ▶ Key deposit adapter is an integral part of the 500 Series LSN and cuts installation time and costs
- ▶ Local SecurityNetwork LSN maximizes reliability, flexibility and cost-effectiveness
- ▶ Complies with regulations and standards of German and European Associations, e.g. EN 54, VdS
- ▶ Uses the very latest generation of intelligent Bosch detectors
- ▶ Multisensor detectors maximize detection reliability and minimize false alarms

In the past, architects and engineers have had to adapt to the needs of the security system when planning security installations. The introduction of the Fire Panel 500 Series means that the security system now adapts to the user's planning needs.

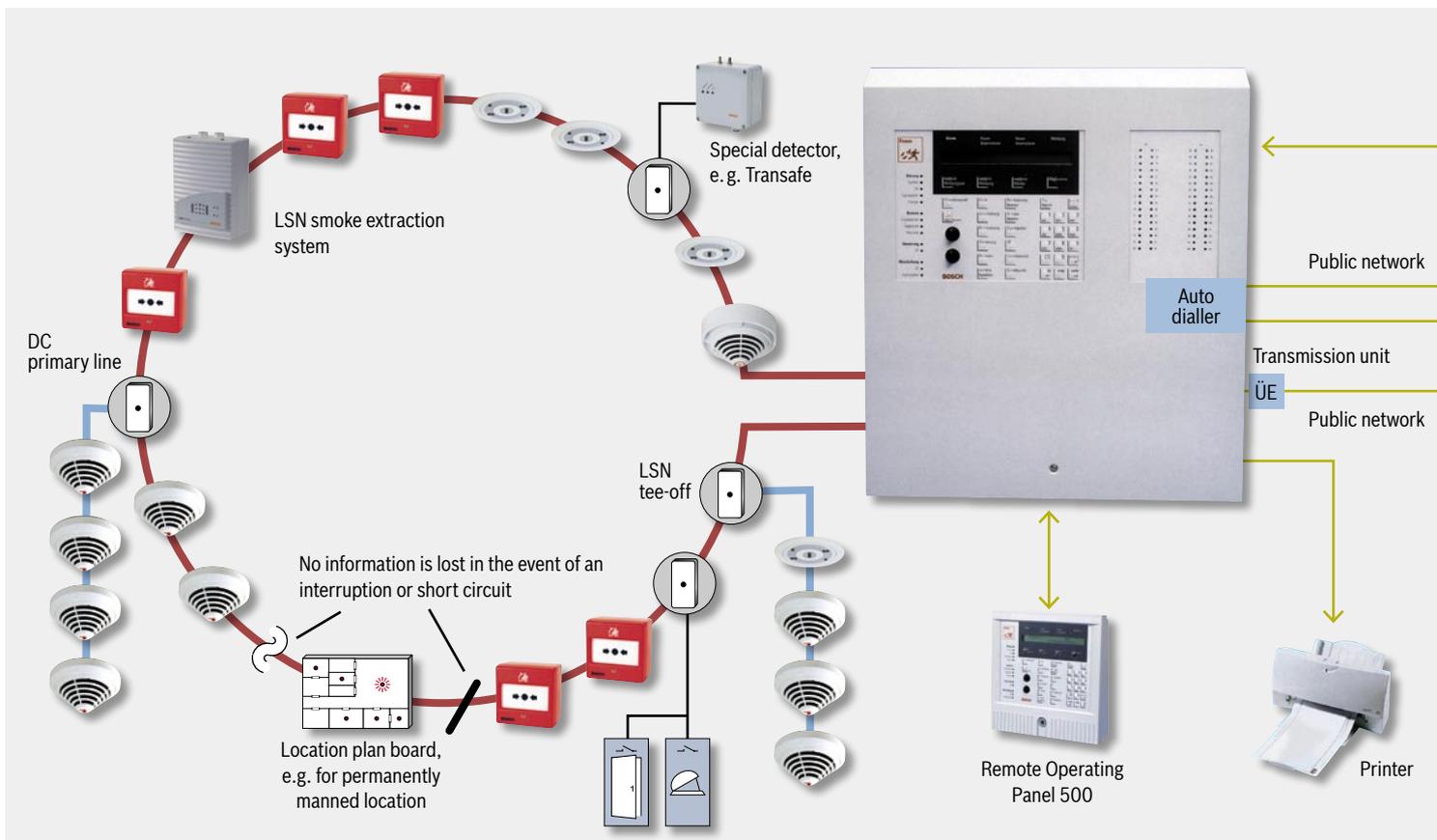
If the company grows – and with it your security requirements – the Fire Panel 500 Series simply grows with you. It offers sufficient reserves for expansion and can be networked with other Bosch security systems when security needs become ever more pressing.

A lot of security in a compact solution

With dimensions of 443 x 501 x 236 mm (W x H x D), the panel is extremely compact and can therefore also be installed unobtrusively in entrance halls and foyers.

The integrated power supply of the 500 Series LSN consists of a power pack and two batteries. If the power were to fail, the central unit would continue functioning for up to 72 hours. The panel has a user interface, an interface for the service engineer and a detector zone display for the fire brigade. Access is controlled by means of a code or optional key-operated switch.

System configuration



Fast localization of the fire source

Each device in the Local SecurityNetwork LSN has its own address, thereby ensuring that the detector triggering an alarm or message can be identified unambiguously. An indicator board coupler and/or display board is integrated into the LSN to allow parallel display of automatic detectors. Location plan boards and indicator boards with individual optical detector and/or detector zone displays can be situated at any desired site. Cabling needs are cut by the short distances involved and the fact that minimum wire is required for connections. LSN devices can be retrofitted or added with ease.

Reports and information are given with customized texts on the panel display. Additional texts facilitate alarm organization. Ease of operation and plain text outputs

ensure that even inexperienced operators can find their way around quickly, thereby cutting response and deployment times.

Clear arrangement and ease of use:

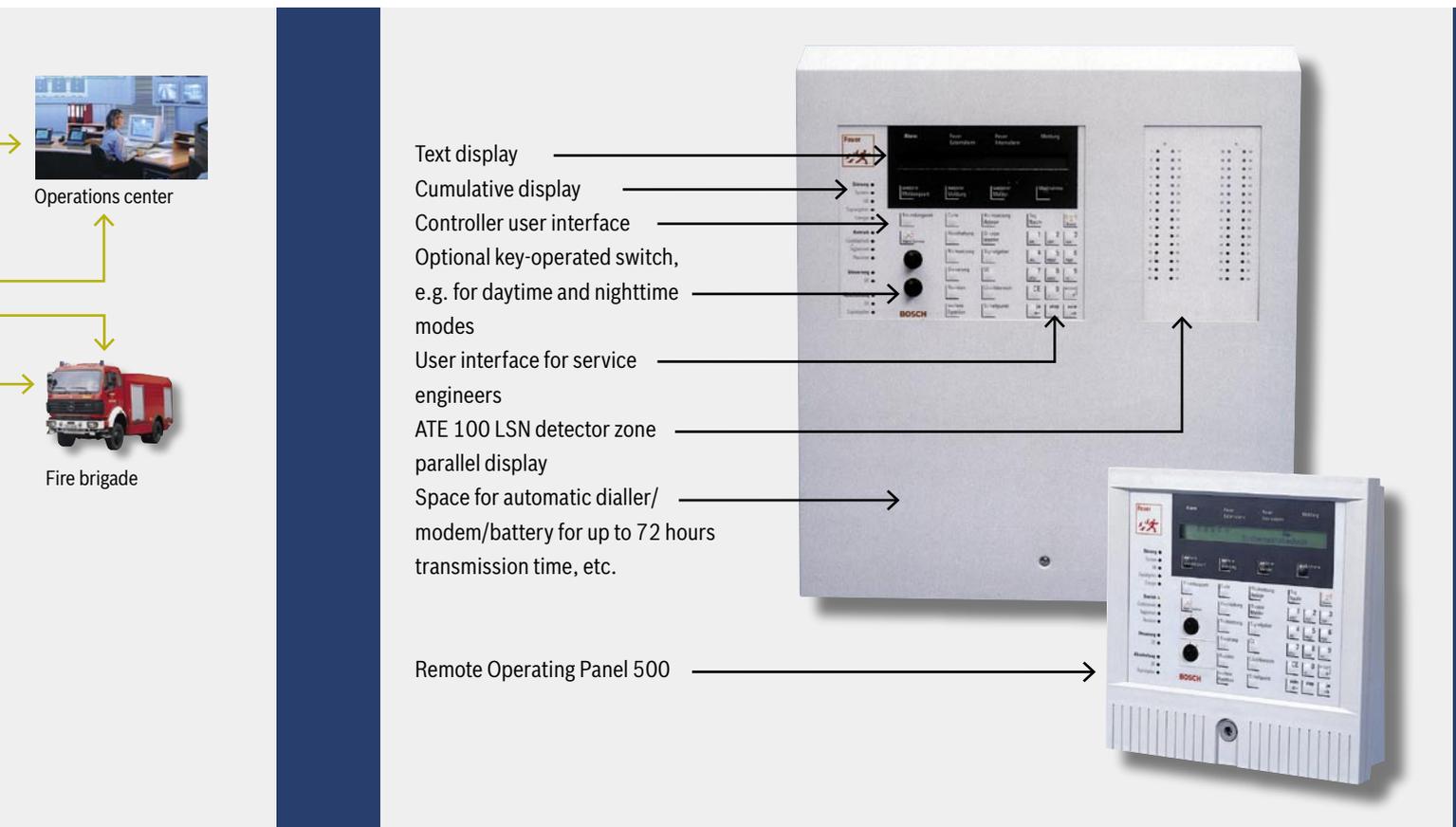
Remote Operating Panel 500.

The remote Operating panel 500 is a display and control unit which can be connected to the 500 Series LSN. The elegant design and compact construction can be fitted in even the most stylish foyers and entrance halls.

500 Series LSN. Completely reliable even on the test stand

All system components have been tested and perfectly co-ordinated. The sensor technology is state-of-the-art and the panel naturally complies with all major German and European standards such as DIN VDE 0800, DIN VDE 0833, EN 54, DIN 14675, DIBt and Ö-Norm.

Simply more reliable, reliably simple



The Fire Panel 500 Series LSN provides you with the gateway to a generation of highly versatile and cost-effective security systems – security systems based on the Local SecurityNetwork LSN from Bosch. LSN is setting new standards on the market. It is immensely flexible since all components can be combined at will and geared individually to your specific needs. You can therefore be sure of a solution that combines maximum security with excellent value for money.

Loop configuration: secure all round

With 500 Series LSN technology, you can set up your network exactly as you need it – using loops, tee-offs or a combination of the two. In the basic configuration, one ring or two tee-offs can be connected to the panel. In the second configuration level, two loops or four tee-offs can be connected. Every loop can integrate up to 127 devices, so that a total of up to 254 devices can be inked up to the 500 Series LSN panel.

Coupling devices can be used to integrate existing network structures equipped with conventional detectors. This highly flexible bus system is used to control extinguishing systems, indicator boards etc. All these features greatly reduce the installation work involved and allow the LSN to be extended without any need to make structural changes.

If a short-circuit occurs or the power supply to the LSN is interrupted, no detectors will fail in a loop configuration. The loop simply operates as two tee-offs until the malfunction is eliminated. This transformation is made possible by short-circuit isolators located in each LSN device.



Extinguisher system linkup: minimum distance, maximum effect.

If a fire is detected, the extinguisher system is controlled by a control coupler (NSB100LSN). Up to two extinguishing zones can be controlled via couplers and ensure that connections can be made with minimum wiring. If a processing component should fail, the built-in redundancy ensures the extinguishing system continues working as it should. This greatly improves the possibility of being able to combat a fire immediately while minimizing damage and ensuring maximum reliability of operation.

Alarm verification time: preventing over-hasty decisions.

Alarms occurring during operation are not forwarded immediately to the fire brigade.

Instead, an alarm verification time is started. This provides an opportunity for investigating whether there is actually a fire. The fact that detectors can be identified individually, means that this can be done quickly and easily. After all, just because there's smoke, doesn't necessarily mean there's fire. If the alarm is not acknowledged after the verification time has expired, the fire brigade will be notified automatically. This cuts costs caused by false alarms.

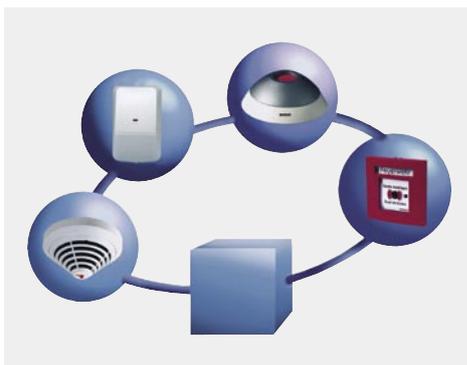
Security made easy

The Fire Panel 500 Series LSN is also equipped with a background memory which documents every important change in status within the system.

A DR 2020 printer can also be connected via a serial interface if required. Optional locations are provided for automatic dialler, modem and other devices.

Tradition of quality and innovation

For over 100 years, the Bosch name has stood for quality and reliability. Bosch Security Systems proudly offers a wide range of fire, intrusion, social alarm, CCTV, management and communication systems and components to help you find the solution for any application. We are the global supplier of choice for innovative technology backed by the highest level of service and support. When you need solutions you can rely on, choose Bosch.



Bosch Security Systems

For more information please visit
www.boschsecurity.com

© Bosch Sicherheitssysteme GmbH, 2006
Modifications reserved
Printed in Germany | 03/06 | HOL
FS-OT-en-01_4998144213_04