



## Local SecurityNetwork **L-S-N**

The Standard in Intrusion and  
Fire Detection Technology.



**BOSCH**

Invented for life

# Local SecurityNetwork (LSN) **New Confidence for Today and Tomorrow.**



Security technology  
in Berlin's Reichstag  
and the entire  
Bundestag complex.



**The Local SecurityNetwork (LSN) from Bosch Security Systems delivers best-in-class security technology. It is designed to cost-effectively and reliably meet users' present and future needs.**

**Featuring unrivalled flexibility, the LSN unifies fire and intrusion alarm systems. It supports more than 70 fire and intrusion sensors and interface modules for a wide range of additional applications.**

The LSN offers a complete range of latest-generation fire and intrusion detectors with active self-monitoring. It is also easy to integrate existing components and other peripheral makes.

Conventional detectors, indicator panels, and fixed extinguisher systems are connected using interface elements. Equipment for monitored control and feedback, such as smoke hatches, automatic door controls, and sounders/strobes, can also be incorporated into the LSN.

## **Flexible Network Topology**

LSN technology lets the network be set up exactly as required: as a loop or tee-off configuration, or a combination of both. This is enabled by bidirectional digital transmission, which allows the sensors and control panel to constantly exchange data with one another.

Information flows between the control panel and the LSN elements via a single two-wire connection that also supplies power to the detectors.

The LSN is designed to work with the standard installation cables in most countries. All devices are initialized, controlled, and identified from the control panel. If necessary, elements can be bypassed. The control panel registers all changes in the status of sensors.

The system permits automatic and manual identification of element types and assignment of addresses. This means low-cost installation of the cable network, fast start-up, and easy maintenance.

© Serge Leblon

The perfect security solution for buildings with a high architectural standard, like the “BOZAR Centre for Fine Arts” in Brussels, Belgium.



LSN technology protects the production facilities of General Motors in Strasbourg, France from fire.

### Proven Performance

The LSN offers maximum security, also in the event of malfunctions. The loop structure of the network ensures that the system will continue to operate properly even in the event of a short circuit or detector failure. The detector identification function also keeps working if the loop is broken. Bosch supplies highly innovative detectors for LSN that ensure exceptionally reliable protection.

### High security, low cost

The LSN delivers cost-effective security:

- ▶ Minimal assembly required
- ▶ No need to expensively change the cables to expand the network
- ▶ Precise alarm and fault reports reduce costs by eliminating calls to the police, fire department, and security companies
- ▶ Dedicated diagnostic functions permit easy pinpointing and replacement of detectors in the unlikely event of a fault.

Bosch fire detectors use the most advanced multisensor technology available in the market.



DS 935 LSN passive infrared detectors guard premises against unauthorized intruders.



LSN magnetic contacts are a key part of the system.



## **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](http://www.boschsecurity.com) or send an e-mail to [emea.securitysystems@bosch.com](mailto:emea.securitysystems@bosch.com)

© Bosch Sicherheitssysteme GmbH, 2005  
Modifications reserved  
Printed in Germany | 03/08 | HOL  
FS-OT-en-01\_F01U517042\_02

