



Bosch Praesideo Loudspeaker Supervision

The next step in more secure
voice alarm systems



BOSCH

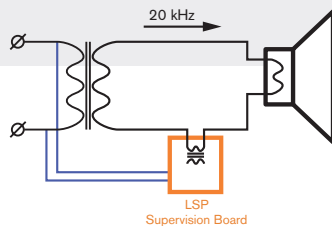
Invented for life



The reassurance of being heard

Continuously monitor loudspeaker operation in critical applications

With the introduction of version 2.2, the IEC60849-certified Praesideo Digital Public Address and Emergency Sound System is enhanced with multiple line and loudspeaker supervision. By implementing this unique supervision technology, it further exceeds the requirements for voice alarm systems as set by the standards and greatly improves the ease of operating and maintaining such systems.



Multiple line and loudspeaker supervision

- Enables individual loudspeaker supervision
- Extends line supervision to multiple branches of a loudspeaker line
- Addressable supervision devices
- Communicates over loudspeaker lines, no additional wiring needed
- Allows graphical representation of loudspeaker integrity via open interface

Enhanced safety and security

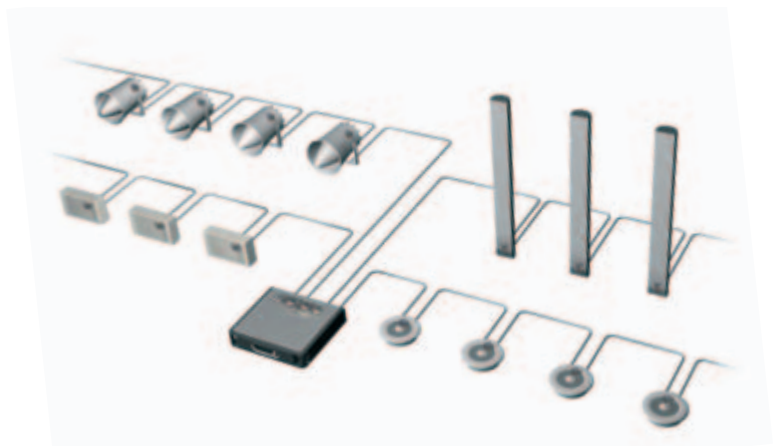
The Bosch Multiple Line and Loudspeaker Supervision brings extra safety and security to Praesideo-based Voice Alarm Systems. It monitors the correct functioning of individual loudspeakers and loudspeaker line branches for a constant overview of operational integrity.

Configuration flexibility

Supervision of individual loudspeakers and loudspeaker lines can be combined. A supervision control board is mounted into the Praesideo power amplifiers, while each supervised loudspeaker requires a loudspeaker supervision board. Most Bosch EVAC loudspeakers already have provision for this. The last loudspeaker in a line requires an end-of-line supervision board or loudspeaker supervision board.

Simplified installation

The supervision boards are assigned an individual address. Digital communication between the supervision control board and the supervision boards is via the EVAC-compliant (100 V / 70 V) loudspeaker line wiring, so no additional cables have to be installed. This results in lower installation costs and easy re-use of existing loudspeaker cabling structures.





Graphical screen representation

For operational convenience and an overview of individual loudspeaker functioning, a graphic representation of the loudspeaker configuration can be incorporated on a PC or touch screen panel using the Praesideo open interface. In this way, malfunctioning or damaged loudspeakers are immediately identified on-screen, and appropriate corrective action can be taken without delay.

Praesideo power amplifiers

The latest versions of the Praesideo Power Amplifiers support the new line and loudspeaker supervision devices. Current models are available in 1 x 500 W (LBB4421/10), 2 x 250 W (LBB4422/10) and 4 x 125 W (LBB4424/10) configurations, and use the efficient class-D amplifier topology.

Certified to meet harmonized European standards

The new power amplifiers and the multiple line and loudspeaker supervision system are certified according to international and local standards including IEC60849 and BS5839. Furthermore it complies with all harmonized European standards that define functional requirements for emergency voice alarm systems. In addition to the product certification, the complete Praesideo production process is certified by the independent certification body TÜV to ensure it consistently meets the relevant requirements. The 'TÜV' mark on each Praesideo product is your guarantee.

Choose Bosch with confidence.



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.



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