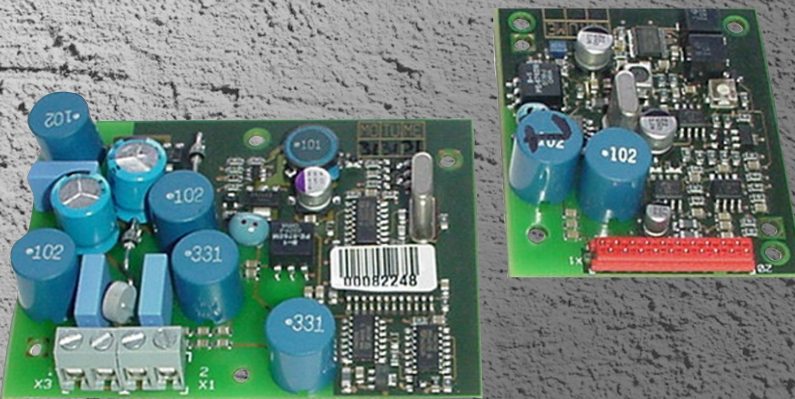


LBB 4442/00 Line Supervision Set



Security Systems



- Loudspeaker line monitoring without additional cabling
- Supervision-master mounting in the power amplifier
- Supervision-slave mounting at the end of the loudspeaker line
- Open-circuit fault detection
- Compatible with 100 V and 70 V loudspeaker lines
- Powering of the supervision-slave from the power amplifier

The Praesideo system uses a unique loudspeaker line monitoring principle, which requires no additional cable. The loudspeaker line itself is used to communicate with the supervision-slave installed at the end of the loudspeaker line.

The LBB 4442/00 contains the master and slave device for supervision of a single loudspeaker line. For supervision of multiple loudspeaker line branches and loudspeakers, the use of the LBB 4440/00 Supervision Control Board in conjunction with the LBB 4441/00 and LBB 4443/00 Supervision Boards is recommended.

Functions

- The supervision master is mounted inside the power amplifier unit and the transceiver-slave is mounted at the end of the line.
- The short-to-ground and short-circuit detection for the loudspeaker lines are incorporated in the power amplifier.
- The pilot tone generator for loudspeaker monitoring is incorporated in the power amplifier.
- Loudspeaker line monitoring can be switched on/off from the configuration software.
- Continuous monitoring of the presence of a transceiver-slave.
- The power for the line supervision set is provided by the power amplifier.
- The supervision-slave board fits into the Bosch range of loudspeakers.

Certifications and Approvals

Electromagnetic Compatibility	
Emission	EN55103-1/FCC-47part 15B
Immunity	EN55103-2

Installation/Configuration Notes

The following loudspeakers have a provision for installing a supervision board:

- LBC 3011/41
- LBC 3011/51
- LBC 3018/00
- LBC 3210/00
- LBC 3403/14 with LBN 9000/00 or LBN 9001/00
- LBC 3404/14 with LBN 9000/00 or LBN 9001/00
- LBC 3405/14 with LBN 9000/00 or LBN 9001/00
- LBC 3406/14 with LBN 9000/00 or LBN 9001/00
- LBC 3432/01
- LBC 3482/00, LBC 3483/00
- LBC 3510/00, LBC 3510/40
- LBC 3520/00, LBC 3520/40
- LBC 3530/00, LBC 3530/40

Technical Specifications

Mechanical

Slave	
Mounting	By 2 screws
Dimensions (H xW X D)	80 x 60 x 16 mm (3.1 x 2.3 x 0.6 inch)
Weight	50 g (1.7 ounces)

Master	
Mounting	Fits in all Praesideo Power Amplifiers

Interconnections	
2x	screw terminal connectors

Environmental

Temperature	
Operating, guaranteed	-5 to 55 °C (23 to 131 °F)
Operating, sample tested	-15 to 55 °C (5 to 131 °F)
Non-operating	-20 to 70 °C (-4 to 158 °F)

Relative Humidity	
Operating	15 to 90%, non-condensing
Non-operating	5 to 95%, non-condensing

Air Pressure	600 to 1100 hPa
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MTBF	50,000 hours at +55 °C (131 °F) (The MTBF doubles for every 10 °C (18 °F) decrease in temperature).
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Ordering Information

Model & Description	
LBB 4442/00 Line Supervision Set	
LBB 4446/00 Brackets (10 pcs)	

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