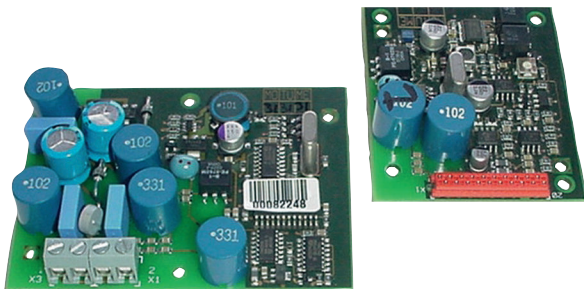


# LBB 4442/00 Line Supervision Set

www.boschsecurity.com



**BOSCH**  
Invented for life



- ▶ 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

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

Each amplifier channel in an LBB 442x/x0 or PRS-xPxxx Power Amplifier unit has an internal mechanical and electrical provision for an LBB 4442/00 master board. The slave board fits into the Bosch range of loudspeakers and can be mounted in the last speaker in the line, or in a separate housing at the end of the line. The short-to-ground and short-circuit detection for the lines are incorporated in the power amplifier. Line faults are detected and reported within 100 s. The pilot tone generator for speaker monitoring is generated in the amplifier and powers the slave unit. Line monitoring can be switched on and off from the configuration software.

## Interconnections

- 20-pin flat cable connector (master)
- Two screw terminals (slave)

## Certifications and approvals

Safety	acc. to IEC 60065 / EN 60065
Immunity	acc. to EN 55103-2 / EN 50130-4 / EN 50121-4
Emissions	acc. to EN 55103-1 / FCC-47 part 15B
Emergency	acc. to EN 60849 / EN 54-16 / ISO 7240-16
Maritime	acc. to IEC 60945

Region	Certification	
Europe	CPR	EU_CPR
		CE
		CE COC
		CE CertAlarm
		CE DOP
	GL	
Poland	CNBOP	

### Installation/configuration notes

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

Ceiling loudspeakers	Column loudspeakers	Sound projectors
LC1-WM06E	LBC 3210/00	LBC 3432/02
LC1-UM06E	LA1-UM20E-1	LS1-OC100E-1
LC1-UM12E	LA1-UM40E-1	
LC1-UM24E	<b>Horn loudspeakers</b>	
LBC 3510/40	LBC 3403/16	
LBC 3520/40	LBC 3404/16	
LBC 3530/40	LBC 3405/16	
<b>Cabinet loudspeakers</b>	LBC 3406/16	
LBC 3011/41	LH1-10M10E	
LBC 3011/51	LBC 3482/00	
LB1-UM06E-1	LBC 3483/00	
LBC 3018/01	LBC 3484/00	
LB1-UM20E-D/L	LH1-UC30E	
LB1-UM50E-D/L		
LB3-PC250		
LB3-PC350		

### Technical specifications

#### Mechanical

Slave	
Dimensions (H x W x D)	16 x 80 x 60 mm (0.6 x 3.1 x 2.3 inch)
Weight	50 g (1.7 ounces)
Mounting	2 screws
Master	
Dimensions (H x W x D)	17 x 60 x 50 mm (0.7 x 2.3 x 2 inch)
Weight	30 g (1.1 ounces)
Mounting	Internally in all Praesideo Power Amplifiers

#### Environmental

Operating temperature	-5 °C to +55 °C (+23 to 131 °F)
Storage temperature	-20 °C to +70 °C (-4 to 158 °F)
Humidity	15% to 90%
Air pressure	600 to 1100 hPa

### Ordering information

#### LBB 4442/00 Line Supervision Set

Master and slave PCB for supervising a single loudspeaker line, the master is mounted in a Praesideo network connected power amplifier (one per channel), the slave is connected at the end of the loudspeaker line.

Order number **LBB4442/00**

#### Accessories

#### LBB 4446/00 Set of Supervision Board Brackets (10 pcs)

Aluminum brackets for mounting supervision slave boards in a loudspeaker cabinet or cable box (set of 10 pieces).

Order number **LBB4446/00**

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