

**BOSCH**

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# LBB 1995/00 Plena Voice Alarm System Fireman's panel

- ▶ Remote Control of the Voice Alarm System
- ▶ Emergency (EMG) microphone
- ▶ EMG and background (BGM) zone selections
- ▶ EMG state and fault indicators
- ▶ Control outputs for EMG and Fault state Front panel zone selection for BGM and call station zone selection for calls

The Plena Voice Alarm Remote Control panels offer operational control at up to two remote locations. The main RC unit offers the front panel of the voice alarm controller, while the RC extensions offer the control of the routers. Both remote controls (LBB 1996 & LBB 1997) are available as a kit to manufacture tailor made solutions. Also available is a fireman's panel that features large illuminated buttons and an all call functionality.

## Functions

The remote control is an exact match to the voice alarm controller with all controls and indicators at the same location. The remote control has BGM zone selection but not source selection, volume and tone controls. The remote control extension is a match to the router. The volume units (VU) meter shows the presence and level of the calls that are running in the system. The fault indicators show detailed information of a fault in the system. Connection to the Bosch Voice Alarm System is done via standard shielded CAT 5 cable and RJ45 connectors. Included in the delivery are rack mount brackets that can also be used to mount the units to a rear wall with spacing for cables and even to a flat surface above or below the units.

The kits LBB 1998 & LBB 1999 are a functional match to the remote control and the RC extension, with connectors on the front panel instead of controls and indicators. With these kits it is possible to reliably build a custom control unit with confidence and ease. The electrical connections are printed on front and rear panels. A 24 VDC output is available to supply power to external LEDs and relays, so no external power supply is required for that purpose. An LED VU-meter allows for monitoring of the master output.

The fire panel, remote control and remote control kit function on an external 24V power supply. The RC extension and extension kit are powered by the interconnecting CAT-5 (shielded) cable.

## Certifications and Approvals

EMC emission  
EMC immunity

Acc. to EN 55103-1  
Acc. to EN 55103-2

## Parts Included

| Quantity | Component                                                                                                  |
|----------|------------------------------------------------------------------------------------------------------------|
| 1        | LBB 1995/00 – LBB 1999/00                                                                                  |
| 1        | EMG microphone and cable (except extension)                                                                |
| 1        | 1 m CAT-5 cable                                                                                            |
| 2        | 19" mounting brackets                                                                                      |
| 1        | EMG mic mounting clip                                                                                      |
| 1        | Release notes                                                                                              |
| 1        | Plena CD with configuration software, installation and user instructions, audio tools, free music and more |

## Technical Specifications

## Electrical

|                 |                                |
|-----------------|--------------------------------|
| 24 V input      | 24 VDC, +20% / -10%            |
| battery current | Typical – max (indicator test) |
| LBB 1995/00     | 100 mA – 250 mA                |
| LBB 1996/00     | 100 mA – 250 mA                |
| LBB 1997/00     | 50 mA – 200 mA                 |
| LBB 1998/00     | 100 mA – 250 mA                |
| LBB 1999/00     | 50 mA – 200 mA                 |

## Performance\*

## Relays

|                          |                          |
|--------------------------|--------------------------|
| Priority relay contacts  | 30 V, 1 A                |
| Emergency relay contacts | 30 V, 1 A                |
| DC supply output voltage | 24 V, 200 mA max         |
| LEDs / LAMPs             | (KITS)                   |
| LEDs on internal power   | 5 mA max                 |
| External power           | 50V – 200 mA max         |
| Type                     | Open collector pull down |

## Environmental

|                             |                |
|-----------------------------|----------------|
| Operating temperature range | -10°C to +55°C |
| Storage temperature range   | -40°C to +70°C |
| Relative humidity           | <95%           |

## General

## Dimensions

|             |                                          |
|-------------|------------------------------------------|
| LBB 1995/00 | 134 x 430 x 90 mm<br>(19" wide, 3U high) |
| LBB 1996/00 | 134 x 430 x 90 mm<br>(19" wide, 3U high) |
| LBB 1997/00 | 88 x 430 x 90 mm<br>(19" wide, 2U high)  |
| LBB 1998/00 | 134 x 430 x 90 mm<br>(19" wide, 3U high) |
| LBB 1999/00 | 88 x 430 x 90 mm<br>(19" wide, 2U high)  |

|                |      |
|----------------|------|
| Weight approx. | 3 kg |
|----------------|------|

\*) Technical performance data acc. to IEC60268-3

## Ordering Information

## Model | Description

LBB 1995/00 Plena Voice Alarm System Fireman's panel  
All call EVAC Remote Control with microphone

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