


BOSCH

Invented for life

LBB 1956/00 Plena Voice Alarm Call Station



The Plena call station is a stylish, high-quality call station with a stable metal base design, a flexible microphone stem and a unidirectional condenser microphone. It can make calls to selected zones (one to six and all-call) in a public address system built with the Plena Voice Alarm System. In addition to tabletop use, the special design allows it to be neatly flush-mounted in desktops. The Plena Voice Alarm Keypad (LBB 1957/00) is an extension adding seven additional keys.

Functions

Each call station supports six zone selections. The number of selectable zones or zone groups can be increased by connecting call station keypads (LBB 1957/00). Up to eight keypads can be added with each keypad adding seven zone or zone-group keys.

This call station features selectable gain, a selectable speech filter, and a limiter for improved intelligibility. The call station has a balanced line level output, making it possible to position it up to 1000 meters from the controller, using CAT-5 extension cables. With shielded cable, the call station can also be used in an EMC level 5 (heavy industry) environment.

- ▶ Stylish six-zone call station for the Plena Voice Alarm System
- ▶ Six zone selection keys, all-call key and momentary PTT-key for calls
- ▶ Selectable gain, speech filter, limiter, and output level for improved intelligibility
- ▶ LED indications for zone selection, fault, and emergency state
- ▶ Call station extension provides seven additional zone and zone group keys
- ▶ EN 54-16 and EN 60849 compliant

DIP switches at the base of the call station select different microphone gain levels, the call station ID, and the speech filter. A service accessible rotary control provides microphone level attenuation. LEDs on the call station show which zones have been selected. Three additional LEDs give visible feedback on the active state of the microphone and the system. Green flashing means standby (chime is sounding). Green indicates microphone active. Amber indicates that the system has detected a fault (IEC 80649), and red indicates that the system is in the emergency state.

Controls and indicators

- Four status LEDs
- PTT-key
- PTT status LED
- Six zone selection keys
- Six zone selection LEDs
- All-call key
- Eight DIP switches
- Rotary volume control

Interconnections

- Two RJ45 jacks
- 24 VDC input
- Keypad connector

Certifications and Approvals

Region	Certification
Europe	CE Declaration of Conformity
Safety	acc. to EN 60065
Immunity	acc. to EN 55103-2
Emission	acc. to EN 55103-1
Emergency	acc. to EN 54-16 / EN 60849

Parts Included

Quantity	Components
1	LBB 1956/00 Plena Voice Alarm Call Station
1	Cable terminated with a lockable CAT-5 connector

Technical Specifications

Electrical

Power Supply

Voltage range	24 VDC supplied by LBB 1990/00 (or 18 to 24 VDC or VAC external power supply)
Current consumption	<30 mA (plus <15 mA per keypad)

Performance

Nominal sensitivity	85 dB SPL (gain preset 0 dB)
Nominal output level	700 mV
Input sound level (max)	110 dB SPL
Gain preset	+6 / 0 / -15 dB
Limiter threshold	2 V
Compression ratio limiter	1:20
Distortion	<0.6% (maximum input)
Input noise level (equiv.)	25 dB SPLA
Frequency response	100 Hz to 16 kHz
Speech filter	-3dB at 315 Hz, high-pass, 6 dB/oct
Output impedance	200 ohm

Selections

Chimes	Any wave file
Priorities	7

Mechanical

Base dimensions	40 x 100 x 235 mm (1.57 x 3.97 x 9.25 in)
Weight	Approx. 1 kg
Mounting	Standalone
Color	Charcoal with silver
Stem length with mic	390 mm (15.35 in)
Cable length	5 m (16.4 ft)

Environmental

Operating temperature	-10 °C to +45 °C (14 °F to +113 °F)
Storage temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative humidity	<95%

Ordering Information

LBB 1956/00 Plena Voice Alarm Call Station	LBB1956/00
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