BOSCH
Invented for life

LBB 1956/00 Plena Voice Alarm Call station

▶ Stylish 6-zone call station, intended for LBB 1990/00 Voice Alarm System Controller

▶ Six zone selection keys, all-call key and momentary PTT-key for calls

▶ Selectable gain, speech filter and limiter for improved intelligibility

▶ LED indications for zone selection, fault and emergency state

▶ Call station extension provides 7 additional zone and zone group keys

The Plena 6-zone 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 is intended for making calls to selected zones (1 to 6 and all-call) in a PA system built around the LBB 1990/00 Voice Alarm System. In addition to table-top use, the unit's special design allows it to be neatly flush-mounted in desk tops. The Plena Voice Alarm Keypad (LBB 1957/00) is an extension adding 7 additional keys.

Functions

On each call station it is possible to select 6 zones with the possibility to connect up to 8 call station keypads (LBB 1957/00) to increase the number of zones or zone groups that can be selected. Each keypad adds 7 zone or zone-group keys.

This call station features selectable gain, a selectable speech filter, a limiter for improved intelligibility. Because the call station provides a balanced line level output, it can be positioned up to 1000 m away from the controller, using CAT-5 extension cables.

Using shielded cable, the call station may also be used in a EMC level 5 (heavy industry) environment.

Using dipswitches on the bottom of the call station, different microphone gain levels can be selected as well

as the call station ID and the speech filter. Selected zones are indicated with LEDs on the call station. Three additional LEDs give visible feedback on the active state of the microphone and the system. Green flashing means standby (chine 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.

Certifications and Approvals

EMC emission	acc. to EN 55103-1
EMC immunity	acc. to EN 55103-2

Parts Included

Quantity	Components
1	LBB 1956/00 Plena Voice Alarm Call Station or LBB 1957/00 Plena Voice Alarm Keypad
1	Cable terminated with a lockable CAT-5 connector

Technical Specifications

Electrical

Power Supply

Voltage Range	18 – 24 V 24 V by LBB 1990/00 or external power supply
Current Consumption	<30 mA Call Station <15 mA Key Pad

Performance

Nominal Sensitivity	85 dB SPL (gain preset 0 dB)
Nominal Output Level	700 mV
Maximum Input Sound Level	110 dB SPL
Gain Preset	+6 / 0 / -15 dB
Limiter Threshold	2 V
Compression Ratio Limiter	20 : 1
Distortion	<0.6% (maximum input)
Equivalent Input Noise Level	25 dB SPLA
Frequency Response	100 Hz – 16 kHz
Speech Filter	-3 dB @ 315 Hz, high-pass, 6 dB/oct
Output Impedance	200 ohms
Selections	

Environmental

Operating Temperature	-10°C to +55°C
Storage Temperature	-40°C to +70°C
Relative Humidity	<95%
Base	40 x 100 x 235 mm (1.57 x 3.97 x 9.25 inch)
Stem Length with Microphone	390 mm (15.35 inch)
Cable Length	5 m (196.85 inch)
Weight	approx. 1 kg

Ordering Information

Model | Description

LBB 1956/00 Plena Voice Alarm Call station