

LBD8921/02 Wall Mounting Handset station

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Invented for life



- ▶ Easy-to operate.
- ▶ Two independent communication channels.
- ▶ With facility for paging and party line announcements.
- ▶ Pilfer proof station, operates smoothly in noisy, hazardous industrial environment.
- ▶ Available with unique handset receiver.

The Handset station for Industrial communication system is designed to withstand the harsh industrial environments. The handset stations are simple to operate, facilitates plant wide communication during critical situations smoothly.

System overview

The wall mounting station LBD8921/02 consists of rear housing and a front plug-in electronic module with a handset. The rear housing unit houses the main transformers and DC power supply with built-in thermal fuse and the housing for the front plug-in electronics module. The unit also houses terminal blocks for the party line cable, loudspeaker mute links and external DC power in terminals.

Functions

Call establishment

The page function with the proper placement of the speakers attached to the call station will enable any announcement to be heard all over the plant. The party line function will facilitate the conversation

of two or more people without being heard over the speakers once a call is established. The operation is simple—the user lifts the handset from the call station and press the page button, makes the announcement to a specific zone or to the entire plant, the required individual(s) lifts nearby station and the duplex communication can commence over the party line. Up to 6 individuals can participate in the conversation on each party line.

Control and Operation

Paging announcement can be made by pressing the push button switch on the front panel. Loudspeaker can be muted using the push button switch. The functional switch can be customized as per the requirement like external call indicators, priority operations etc. Volume of the speaker can be controlled from front panel through the screw-driver adjustable volume controller.

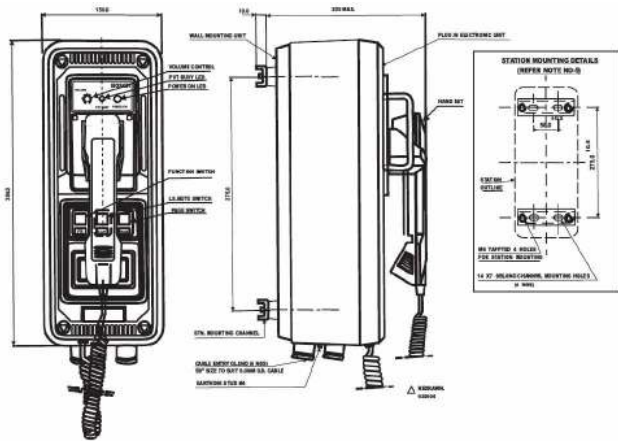
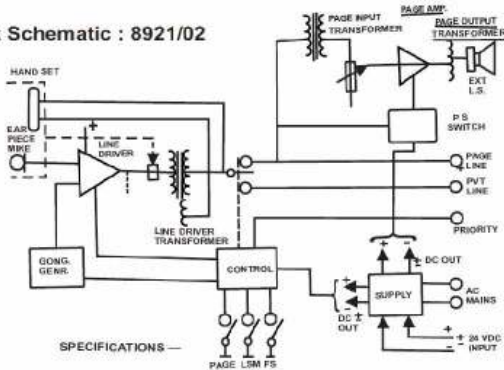
Certifications and approvals

Ingress protection Acc. To IP52, with weather proof cover IP55

Installation/configuration notes

Dimension & Mounting Details: LBD8921/02

Block Schematic : 8921/02



Parts included

Quantity	Components
1	Power Supply Cord
1	Triangular Screw Driver
1	User Instructions

Technical specifications

Electrical

Power Supply voltage	220VAC + 10% 50/60Hz or 24VDC (110/240VAC tapping on request)
Current consumption	180 mA at 220VAC, 850 mA at 24VDC
Microphone	
Type	Dynamic noise canceling
Internal impedance	230Ω±15%
Sensitivity	0.7mV/Pa
Receiver	

Type	Dynamic
Internal impedance	230Ω±15%
Sound Pressure Level (SPL)	116 dB +3/-1 dB (Typically at 1kHz)
Line Amplifier Section	
Input sensitivity	3mV (adjustable by preset internally)
Input impedance	4kΩ Resistive
Load impedance	240Ω Resistive
Output	2V
Distortion	1% at 1kHz
Residual noise level	-50dB (w.r.t. rated output)
Frequency response	200Hz to 12kHz (+1/-3dB)
Gong tone frequency	600 Hz ± 100 Hz
Gong tone duration	800ms +500/-200 mS
Power Amplifier Section	
Input sensitivity	2V +/- 0.2V
Input impedance	>25kΩ
Distortion	1%at1kHz
Frequency response	+1/-3dB at 200Hz to 10kHz
Residual noise level	-50dB (w.r.t. rated output)
Tone control	Bass cut filter (minimum cut 10dB at 200Hz)
Output power	15W r.m.s. across 8Ω or 16Ω load on relevant tap
Protection	Short circuit protection on output

Mechanical

Dimension(HxWxD)mm	353x150x225
Weight	7 kg without packing
Colour	Front panel - Dark Brown Rear housing - Beige

Environmental

Operating temperature	-20°Cto+55°C
Storage temperature	-40°Cto+70°C
Relative humidity	95%
Environmental protection	IP 52, with weather proof cover IP 55

Ordering information

LBD8921/02 Wall Mounting Handset station
Order number **LBD8921/02**

Represented by:

Americas:

Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security
Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
203 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com