



LBB 1992/00 Plena Voice Alarm Router



- ▶ 6-zone router with single or dual channel operation
- ▶ 6 EMG input contacts
- ▶ 6 Business input contacts
- ▶ 6 Volume Override output contacts
- ▶ Supervision within the Plena Voice Alarm System (compliant to IEC60849)

The Plena Voice Alarm router is an expansion unit that can add 6 zones as well as 12 input and 8 output contacts to the Voice Alarm System.

It can use the built-in booster of the Voice Alarm Controller, and provides outputs and inputs for one or two boosters in a multi amplifier one- or two-channel system.

It provides dual channel operation for calls and BGM simultaneously to a maximum of six different zones, using two Plena booster amplifiers. Plus, single channel operation is possible with only one Plena booster.

The routers can also share one Amplifier, including the internal booster of the Voice Alarm Controller. It is possible to use any number of amplifiers from one up to the number of routers used.

Functions

The LBB 1992/00 has a set of relays for zone-switching the power amplifier output(s) to different loudspeaker groups. Each of the zones can be switched between the call channel (upon call-station selection or all-call microphone or emergency activation), the BGM channel (upon front panel selection), or off.

In order to get a message through (although the local volume controls may be set to a low volume level for e.g. background music), volume override relay contacts are

provided for each zone separately for overriding local loudspeaker volume controls. Both the 3-wire and 4-wire override schemes are supported. Upon a call or an activated trigger input these contacts will be activated for the appropriate zones, together with an additional voltage free contact (Call Active) for control purposes.

A 24 VDC output is available to supply power to external relays, so no external power supply is required for that purpose.

A LED VU-meter allows for monitoring of the master output.

Certifications and Approvals

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



Rear view

Parts Included

Quantity	Component
1	LBB 1992/00 Plena Voice Alarm Router
2	19" Mounting brackets
1	Mains cable
1	Plena CD

Technical Specifications

Electrical

Mains Voltage	230 VAC / 115 VAC, ±15%, 50 / 60 Hz
Max Mains Power Consumption	50 VA
Battery Voltage	20 – 26.5 V
Max Battery Current	1.8 A
Max Mains Inrush Current	1.5 A @ 230 VAC / 3A @ 115 VAC

Power Consumption

Mains Current

System Idle	0.2 A
Maximum Load	0.3 A

24 V Current

System Idle	0.51 A
Maximum Load 24 V Output	1.5 A

Trigger Inputs	6 EMG, 6 business
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Type	MC1, 5/12-ST-3, 5
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Activation	Programmable
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Supervision	On EMG inputs, programmable
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Supervision Method	Series / parallel resistor
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100 V Inputs	MSTB 2,5 /16-ST
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Booster 1	100 V / 70 V / 0 V
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Booster 2	100 V / 0 V
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Power Handling Capacity	1000 Watts
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Outputs

100 V / 70 V Outputs	MSTB 2,5 /16-ST, floating
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100 V Outputs	1000 W rated per zone
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Volume Override Type	3 wire, 4 wire (24 V), 4 wire failsafe
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Output Contacts

All Contacts	
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Connector Type	MC1,5/12-ST-3,5
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Rating	250 V 7A voltage free
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General Purpose Relays (2x)	NO / COM
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Environmental

Operating Temperature	+5°C to +55°C
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Storage Temperature	-25°C to +55°C
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Relative Humidity	<95%
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Dimensions	88 x 430 x 260 mm (19" wide, 2U high)
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Weight	approx. 3 kg
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Rack Building	Rack mounting kit included
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Ordering Information

Model | Description

LBB 1992/00 Plena Voice Alarm Router

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