



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

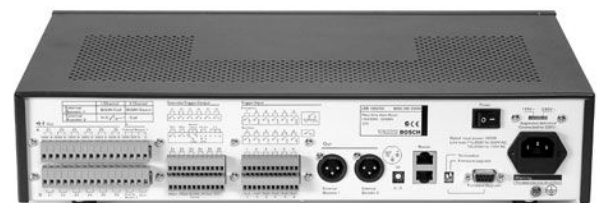
provided for each zone separately for overriding local loudspeaker volume controls. Both the 3-wire and 4-wire override schemes are supported. Upon a call or an activated trigger input these contacts will be activated for the appropriate zones, together with an additional voltage free contact (Call Active)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

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|----------------|-------------------|
| 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

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|----------------------|---------------------------|
| 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

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|--------------|--|
| 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

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|-----------------------|---------------|
| Operating Temperature | +5°C to +55°C |
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| | |
|---------------------|----------------|
| Storage Temperature | -25°C to +55°C |
|---------------------|----------------|

| | |
|-------------------|------|
| 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

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|--------------------------------------|
| LBB 1992/00 Plena Voice Alarm Router |
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