Buffer-Expander Volume Control

Model BUFEX

CURRENT UNITS -1

Description

The BUFEX is a continuously variable speaker attenuator that can remotely control the volume of a network of speakers. The BUFEX also provides output buffering for up to 150 self-amplified speaker inputs and allows speaker system expansion of existing 100V, 70V, or 25V central amplifier systems. The BUFEX includes a bypass function that can override the volume control knob setting when activated by a contact closure or open collector output. This allows emergency announcements to be heard through all speakers in a system even if the volume control knob setting is set low or off. A PCB-mounted bypass trim control adjusts the volume when in bypass mode with a maximum of 12 dB of attenuation. The BUFEX fits into a single gang electrical box.

Features

- Continuously variable attenuator
- Drive up to 150 self-amplified speaker inputs
- 100V, 70V, 25V, and page port level selectable input
- Bypass trim control for emergency paging (12 dB of preset control over level of bypass announcements)
- Mounts in a single gang electrical box
- Rugged and attractive stainless steel plate with engraved lettering
- Easy and secure terminal strip connections
- Two-Year Warranty

Technical Specifications

Supply Voltage:	24V DC	Bypass Trip Current:	0.8 mA
Current Consumption:	1 CU (50 mA)	Speaker Drive Capacity:	150 Self-Amplified Speakers
Output Impedance:	8 ohms	Input Compatibility:	100V, 70V, and 25V
Volume Control Range:	0 to -50 dB	Dimensions:	2-7/8" W x 4-5/8" H x 2-1/2" D
Bypass Voltage:	10V	Product Weight:	3 oz.

Architect & Engineer Specifications

The Level Controller shall be a continuously variable speaker attenuator that can remotely control the volume of a network of speakers, Bogen Model BUFEX. It shall provide output buffering for up to 150 self-amplified speaker inputs and allow speaker system expansion of existing 100V, 70V, or 25V central amplifier systems.

The BUFEX shall include a bypass function for overriding the volume control knob setting when activated by a contact closure or open collector output. A PCB-mounted bypass trim control shall adjust the volume when in bypass mode with a maximum of 12 dB of attenuation.

The BUFEX power consumption shall be 1 CU (50 mA) @ 24V DC.

The Tip (T) and Ring (R) connections shall be audio outputs with an output impedance of 8 ohms.

The BUFEX shall have a rugged and attractive stainless steel plate with engraved lettering.

The BUFEX shall measure 2-7/8" W x 4-5/8" H x 2-1/2" D and fit into a single gang electrical box. The BUFEX shall weigh 3 ounces.

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Specifications subject to change without notice.

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Signal Level Control

Model SLC

CURRENT UNITS

Description

The SLC is a continuously variable volume control that can remotely control the volume of up to 150 self-amplified speakers. The SLC fits into a single gang electrical box.

Features

- Remotely control the volume of up to 150 self-amplified speakers
- Rugged and attractive stainless steel plate with engraved lettering
- Mounts in a single gang electrical box
- Easy and secure terminal strip connections
- Passive (requires no DC power)

Technical Specifications

Max. Speaker Capacity:	150
Dimensions:	2-7/8" W x 4-5/8" H x 2" D
Product Weight:	2 oz.

Architect & Engineer Specifications

The Level Controller shall be a continuously variable passive volume control that can remotely control the volume of up to 150 self-amplified speakers, Bogen Model SLC. The SLC output terminals shall be able to control up to 150 speaker inputs. Output wiring shall be made via two separate two-position screw terminal blocks for input and output signals.

The SLC shall have a rugged and attractive stainless steel plate with engraved lettering.

The SLC shall measure 2-7/8" W x 4-5/8" H x 2" D and fit into a single gang electrical box. The SLC shall weigh 2 ounces.

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