

Buffer-Expander Volume Control

Model BUFEX



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- ¹³ / ₁₆ " W x 4- ⁹ / ₁₆ " H x 2- ³ / ₈ " 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 2-¹³/₁₆" W x 4-⁹/₁₆" H x 2-³/₈" D and fit into a single gang electrical box. The BUFEX shall weigh 3 ounces.



* Architect and Engineer Specifications are available online in a Word document to assist you with preparing your bids.

Specifications subject to change without notice.
 © 2005 Bogen Communications, Inc.
 Part No. 54-8023-15A Printed in U.S.A. 0501