

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

# BOGEN®

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