Telephone Access Module

Models TAMB2, TAMB2PS

NOTE: Power Supply unit included with TAMB2PS only

Description

The Bogen **TAMB2/PS Telephone Access Module** is a unique, dual-purpose voice paging adapter designed as an interface from a telephone system to a paging system.

This versatile unit offers the capability of station port or trunk port operation, and is compatible with the full range of analog telephone port types. Advanced design and Bogen dependability make the TAMB2/PS the perfect choice for simple or complex telephone paging applications.

A background music input (with stereo-combining RCA jacks and volume control), which will accept a line-level input from a background music source, is provided. This input permits the use of background music during a page with central paging amplifiers that have no muting provision.

Features

- Loop start, ground start, and station port (90V ring up) compatibility
- 600-ohm output
- Pre-announce and confirmation tones (defeatable)
- Adjustable tone volume
- Works with paging only and two-way (talk back) systems
- Background music input with volume control
- Suppresses background music during paging
- Station access disconnect is dynamically controlled using a combination disconnect timer, and VOX disconnect timer or Calling Party Control (CPC) signal detection
- Station port maximum page times from 1-200 seconds
- Disconnect VOX timer is adjustable from 1 to 11 seconds of silence

- VOX and default timers independently inhibitable
- Calling Party Control (CPC) signal from switch immediately disconnects station port
- 24V Talk Battery
- 1 Rack space unit height
- Flexible Mounting Configuration: wall, single unit rack, and dual side-by-side rack mount
- Easily accessible controls and switches
- Trunk Timer feature helps prevent system blockage
- 24V power supply required for all modes of operation (150mA min. capacity); TAMB2PS includes power supply, TAMB2 does not
- 1 C-Form (N.O. and N.C.) contact pair available for operating external equipment
- Pluggable terminal strip connectors
- FCC Part 68 registered; ETL Listed

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Technical Specifications

Registration Number:	US: CD2PA13BTAMB2
Ringer Equivalence:	1.3B
Station Port Compatibility:	Two-wire ring start
Trunk Port Compatibility:	Two-wire loop start or ground start
Paging Frequency Response:	200 – 8000 Hz, ±1 dB
Input/Output Impedance:	600 ohms, nominal
Power Requirements:	24V DC @ 150mA (supplied with TAMB2PS only)
Pre-announce/Confirmation Tones:	800 Hz, ±20%, one-half second duration
Default Disconnect Timer:	1 to 200 seconds, adjustable or inhibit
VOX Disconnect Timer:	1 to 11 seconds, adjustable or inhibit
Auxiliary Contact Rating:	0.6A @ 125V AC resistive 0.6A @ 110V DC resistive 2.0A @ 30V DC resistive
Operating Temperature Range:	32° – 120°F.
Connection Method:	Pluggable screw terminal
Finish:	Black enclosure with white lettering
Dimensions:	8-1/2" W x 1-3/4" H x 3" D
Product Weight:	2 lb.

Architect and Engineer Specifications

The telephone-access voice-paging adapter shall be a Bogen Model TAMB2 (or TAMB2PS) capable of providing either trunk port or station port access to paging amplifier, multi-zone paging adapter, or talk back amplifiers.

The adapter shall have station port compatibility, 2-wire analog with a ringer equivalence number of 1.3B, and trunk port compatibility with 2-wire loop start or ground start. The paging frequency response shall be 200 Hz to 8000 Hz, ±1 dB, and the input/output impedance shall be 600 ohms, nominal.

All operational modes require the unit to be supplied with 24V DC @ 150 mA max draw. Reversal of the power supply connection polarity will not damage the unit. The unit shall be capable of generating an 800 Hz (±20%), 1/2-second duration signal to be used as a pre-announce or confirmation tone; the tone level shall be controlled by an adjustment that shall be accessible without removing the cover.

When used in the station access mode, the device shall be capable of three methods of release following a page: (1) Loop Current Interruption CPC Pulse, (2) Voice-Operated Disconnect, and (3) Default Disconnect Timer.

The loop current interruption detection circuit shall, if the particular line to which the device is connected issues a disconnect signal (a loss of loop current for longer than 30 milliseconds), recognize this signal and immediately disconnect the device from the line. The voice-operated disconnect circuit shall be enabled/disabled via mode switches or an external signal.

A default disconnect timer circuit shall set the maximum time allotment for paging and ensure that the unit will always disengage the line if the other disconnect circuits are inoperative. The default disconnect timer duration shall be adjustable from 1 to 200 seconds and the VOX disconnect timer duration shall be adjustable from 1 to 11 seconds. Time duration is controlled using DIP switches and rotary controls. Both timers can be independently inhibited.

When used in the trunk port access mode, the device shall automatically terminate paging access upon release of the trunk port.

A stereo combining RCA-type input shall be included to accept a line-level input from a suitable background music source. A control shall be provided to set the background music volume.

One C-Form (N.O. and N.C.) set of contacts shall be provided for use with auxiliary equipment. The contacts shall be rated at 30V DC, 2A/125V AC, 0.6A/110V DC, 0.6A (resistive).

The device shall be mounted in a steel enclosure and finished in black enamel with white lettering. It shall be listed to UL standard 60950 and comply with Part 68 of FCC Rules and Regulations.

The overall dimensions shall be 8-1/2" W x 1-3/4" H x 3" D. The product weight shall be 2 lb.

Capable of wall-mount, single-unit rack mount (with optional rack kit), or side-by-side dual-unit rack mount.

Power supply is required for TAMB2, power supply included with TAMB2PS