

VoiceArrest™ Telephone / Background Music Interface



VA-TBM

Model VA-TBM

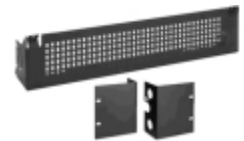
Description

The VA-TBM Telephone/Background Music Interface provides single-zone paging for one-way applications such as the VoiceArrest™ Speech Privacy Controllers and self-amplified speaker systems. It is compatible with all standard analog port types and includes two audio outputs with level controls, each of which can provide audio for 150 controllers and self-amplified speakers.

A 24V DC @ 1A internal power supply is available to power external equipment.

Features

- Single-zone paging
- Telephone interfaces: loop start trunk, ground start trunk, station access (analog ring-up), page port contact closure activation, page port voice activation
- Simple 2-switch interface setup
- Override paging (using loop start trunk or page port contact closure activation)
- Programmable activation of AUX contacts
- C-form contact
- Two audio outputs (Page Only and Page with Background Music) both with level controls
- Each output can provide audio drive for 150 VoiceArrest™ Speech Privacy Controllers or self-amplified speakers
- High impedance transformer-isolated background music input with volume control
- Variable music mute
- Night Ringer (contact closure activation)
- Tone Trigger (tone and duration selectable, closure-activated)
- Tone burst (2 to 7 sec), chime, and slow whoop tone selections
- Pre-Announce/Confirmation Tone
- Adjustable output limiter with threshold control and active indicator
- Programmable timers control page duration (station and trunk)
- DTMF programming
- DTMF Block to help suppress DTMF tones over paging system
- Non-volatile memory for setup data (no backup battery required)
- Setup Tone to assist in volume setting
- Pluggable terminal strips
- Microcontroller-based operation
- Wall mounting flanges
- Rack panel kit with security cover included
- Two-Year Warranty



Rack panel kit with security cover



Speech Privacy Systems

1100 Jupiter Road - Suite 121 - Plano, TX - 75074
 Phone: 866-557-8438 - Fax: 972-526-5333
 E-Mail: sales@speechprivacysystems.com

Technical Specifications

Input Impedance: 600 ohms (nominal)
Input Level: -10 dBm (nominal)
VOX Sensitivity: -30 dBm
Background Music
Input Impedance: 20k ohms
Music Input Level: -10 dBm (nominal)
Output Level: -10 dBm nominal
Output Impedance: 8 ohms
Drive Capacity: 150 per zone
Timer Duration: Default: 10s to 990s
(both defeatable) VOX: 1s to 9s
CPC Disconnect: Pulse greater than 300ms
Contact Closure: 2A @ 30V AC, 0.6A @ 125V AC

DC Output: 1A @ 24V DC
Voltage: 120V AC
Current: 0.5A
Temperature: 0 to 104° F (-18 to 40° C)
Humidity: 0 to 85% non-precipitating
Approvals: C-UL (UL60950);
FCC Part 68 Registered;
FCC Part 15 Compliant;
Industry Canada CS-03
Dimensions: 12-1/4" W x 5-1/4" H x 2-1/2" D
19" W x 5-1/4" H x 2-1/2" D
(with mounting flanges)
Product Weight: 5 lb.

Architect & Engineer Specifications

The VA-TBM Telephone/Background Music Interface shall provide single-zone paging for one-way applications such as self-amplified speaker systems.

It shall be compatible with all standard analog port types: loop start trunk, ground start trunk, station access (analog ring-up), page port contact closure activation, and page port voice activation.

It shall include two audio outputs (page only and page and background music) with level controls, each of which shall provide audio for 150 VoiceArrest™ controllers or self-amplified speakers.

The VA-TBM shall provide 1A @ 24V DC (+20 CU) AUX power for powering amplified speakers.

It shall include a high impedance transformer isolated background music input with volume control and variable music mute.

It shall include an adjustable output limiter with threshold and active indicator and variable music mute.

It shall provide override paging (using loop start trunk or page port contact closure activation), a night ringer input (contact closure activation) with programmable tone, and a tone trigger input (contact closure activation) with programmable tone and duration.

DTMF programming shall be available through the override input. It shall include DTMF block to help suppress DTMF tones from being heard over the paging system.

The unit shall include programmable timers to control page duration (station and trunk) that can be inhibited.

The unit shall include a programmable preannouncement/confirmation tone that can be set to be heard at the speakers being paged or at the calling telephone or both, as well as a setup tone to assist in volume setting, both of which can be inhibited.

The unit shall include a tone level control that sets the level for all tones.

The VA-TBM shall offer a tone burst, a double chime tone, and a slow whoop tone.

The unit shall include a programming reset to return the VA-TBM system to the original factory default values.

The VA-TBM shall provide a dual form contact rated at 2A @ 30V DC and 0.6A @ 125V AC that can be used to activate external equipment.

The VA-TBM shall allow the installer to program a number of different parameters to control the way in which the AUX relay contacts activate. The VA-TBM shall allow programming of which input events the AUX relay will respond to, whether it will respond to the event only or to a combination of the event and its place in the priority structure, and if it will respond during the event or after the event ends.

It shall include non-volatile memory for setup data (no backup battery required).

The VA-TBM shall be wall and rack mountable.

The VA-TBM shall be C-UL approved (UL60950), FCC Part 68 Registered, FCC Part 15 Compliant, and Industry Canada CS-03.

Dimensions of the unit shall be 12-1/4" W x 5-1/4" H x 2-1/2" D and 19" W x 5-1/4" H x 2-1/2" D (with mounting flanges). Product weight shall be 5 lb.



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