Contact Closures & Paging Ports

The VAR1 is ideally suited to provide a set of contact closures for paging ports of lower cost telephone systems that do not have a set of AUX contacts to trigger paging equipment. An adjustable trigger threshold keeps noise from falsely triggering the paging equipment, and the adjustable release delay (up to 25 seconds) keeps the paging system from dropping out in the middle of a page.

Low Cost Microphone Pre-Amp

The VAR1's built-in microphone pre-amp is a low cost and convenient device to use when a single channel of microphone pre-amplification is needed. Designed for balanced, low-impedance dynamic microphones, the VAR1 contains a MIC level control.

Accessories

PRS40C
12V DC Power Supply

VOICE-ACTIVATED RELAY

VAR1

The **VAR1** is a relay device that monitors audio activity over a wide range of input voltages and operates two sets of C-Form relay contacts in response to detected activity. The VAR1 can be used to detect voltages as low as signals directly from a microphone or as high as signals from 70V speaker systems. A low-level output of the detected audio, transformer-isolated from the input, is also made available for use with other equipment. Can also be used as a balanced, low-impedance mic pre-amp.

Product Features:

• Two sets of C-Form (both N.O. and N.C.) relay contacts respond to audio activity
• 4 levels of input signals: microphone, 600-ohm line, 25V, and 70V speaker systems
• Built-in balanced, low noise, high gain microphone pre-amp
• A transformer-isolated, 600-ohm small signal level output of detected audio available
• Works with self-amplified or central-amplified paging systems
• Separate microphone pre-amp gain control
• Adjustable release delay – 0.25s to 25s
• Trigger threshold adjustment
• Relay active indicator light

Power Requirements	Dimensions	Product Weight
External 12V to 24V DC @ 100 mA (not included)	5-3/8" W x 3-7/8" H x 1-3/8" D	1 lb.

Applications

The TBA15 is an ideal complement to the ZPM3 (see page 36) for hands-free talk back in specific areas. Here are a few examples:

Stock Rooms: A large stock area can be paged with a question on availability and the stock clerk can simply shout back the answer, no matter where he/she is or what he/she is doing.

Commercial Kitchens: Allows hands-free communications between cooks and wait staff. This keeps the cook's hands off the telephone and on the meal, which is more sanitary and more efficient.

Security: This is a perfect way to get audio surveillance of remote areas. Simply dial up the zone for an area and listen for activity... even the tiniest sounds can be heard. By adding speakers, a large area can be monitored for activity. You can announce into these same areas, too.

Accessories

TAMB2 Telephone Access Module

ZPM3 Zone Paging Module

TALK BACK AMPLIFIER

TBA15

The **TBA15** is a unique amplifier that permits loudspeakers to be used as microphones to provide hands-free, two-way conversations through the paging system*. In the idle state, the TBA15 uses the attached speakers as microphones and feeds this signal out to a telephone line. When the TBA15 senses a paging signal on the telephone line, it will switch on its 15W amplifier and use the speakers conventionally.

Product Features:

• Hands-free 2-way conversations through the paging system
• 15 watts of speaker power
• Works on 25V and 70V speaker systems
• Adjustable switching sensitivity control for switching from listen to talk
• Adjustable switch-back delay prevents chopping of pages and provides smooth 2-way conversations
• Talk Back and page volume controls
• Mute input forces amplifier into page mode
• Wall or 19" rack mount

• Perfect accessory for zone paging applications
• No moving parts for high reliability
• Resettable circuit breaker w/ thermal protection

* Page port connection should be a duplex line for talk back applications.

Power Requirements	Dimensions	Product Weight
120V AC	19" W x 5-1/4" H x 2-5/8" D	7 lb.