

## FEATURES:

- LOOP START, GROUND START, OR PAGE PORT ACCESS
- THREE ZONES OF TALKBACK OR ONE-WAY PAGE
- ALL CALL
- BACKGROUND MUSIC INPUT
- INTEGRATED SINGLE/WARBLE TONE GENERATORS
- FEATURES PROGRAMMABLE PER ZONE
- INTEGRATED POWER SUPPLY
- PROVIDES EXTERNAL POWER OUTPUT FOR ONE-WAY AMPLIFIED SPEAKERS
- PAGE OVERRIDE INPUT
- BATTERY BACK-UP COMPATIBLE



## DESCRIPTION:

A telephone-compatible three-zone, handsfree talkback page control unit with integrated power supply, one-way all call, integrated single/warble tone generator, and background music.

## Specifications:

### INPUTS/OUTPUTS

**Input Impedance:** 600

**Music Source Impedance:** 8 to 600 ohms

**Music Input Level:** -10 dBm nominal

**Low Level Output Impedance:** 8 ohms

**Low Level Output Level:** -10 dBm nominal

**DC Output:** -24 Vdc at 0.5 Amp

### Additional Talkback Outputs

**Output Impedance:** 45 ohms

**Output Level:** 1-watt nominal

**Voice Switch Sensitivity:** -26 dBm

### CONTROLS

Tone Volumes

Background Music Volume

All Call Page Volume

### CONNECTIONS:

Unit equipped with male 50 pin Amphenol connector for input/output connections. An RJ11 jack is also provided for tip and ring input connections. A three-prong polarized Molex connector is provided for battery back-up connection.

### POWER REQUIREMENT

1 Amp at 120 VAC

### ENVIRONMENT

Temperature: +32 ° to +104 °F (0 to +40 °C)

Humidity: 0-85% Non-Condensing

### HOUSING AND FINISH

Constructed of gray painted aluminum alloy

### DIMENSIONS AND WEIGHT

7.1 "H x 10.0 "W x 3.0 "D (18.034 cm x 25.4 cm x 7.62 cm)

Weight: 5.6 lbs (2.52 kg)

Shipping Weight: 6.5 lbs (2.93 kg)

### ACCESSORIES

Model VPB-260 Battery Back-up Supply

## ARCHITECTS' AND ENGINEERS

The Three-Zone Integrated Talkback Page Control, Model V-2003AHF shall be a wall or shelf mounted, telephone compatible, three zones, two-way talkback/one way, page control unit with integrated power supply, single/warble tone generator and background music input. The unit shall be optionally loop start, ground start or contact closure start and shall be capable of recognizing either DTMF tones or rotary pulse for dial selection of three individual zones and all call. The unit shall be programmable on a per zone basis for single tone and interrupted warble tone, background music, and handsfree talkback or one-way page operation. The System options shall include dial tone, ring back tone/alert tone. The unit shall provide AGC circuitry for voice page input.

The unit shall provide three individual one-way low level outputs for each zone. Individual handsfree talkback output shall also be provided for each zone. All call shall be one-way operation only. Access of specific zones shall not affect features programmed for other zones, i.e. background music shall mute only in the zone being paged while other zones programmed for background music shall not be affected. Audio output signal levels must not exceed -10 dBm nominal for one way, 1 watt for talkback.

In connection with a telephone system, the unit shall have the ability to provide loop current, the detection of which shall indicate a request for service (in the loop start mode of operation). Ground start operation shall be available as an optional mode of service request. A battery feed switch located on the unit shall enable or disable the loop current option of the tip and ring connections. A second switch shall select loop start or ground start service request options.

In connection with a telephone system supplying "A" lead control from each telephone, the unit shall also have the ability to provide inhibit (speaker cancel) to allow handset to handset "meet me" answer to a page without the paging system broadcasting the conversation.

The unit shall have the ability to provide a single tone and an interrupted warble tone over page. The single tone shall be activated by a contact closure and shall follow the contact operation. The interrupted warble tone shall be activated by a contact closure or a 90 Vac ring signal. The single tone shall have priority over the warble tone in the instance of coinciding activation.

The unit shall provide the ability to program features on a per zone basis. A dip switch shall be provided for zone feature and system option programming. Dialing codes shall be 1, 2, and 3 or 5, 6 and 7 for individual zones and 4 or 8 for all call. The detection of the "#" tone shall return dial access.

The unit shall be equipped with a 50 pin male amphenol connector for input and output connections and an RJ11 jack for page tip and ring input. Volume controls shall be provided for phone to speaker, speaker to phone, tones, background music and page/all call.

The unit shall provide a three-conductor grounded power cord with NEMA 15-5P type plug for AC input and shall provide auxiliary -24 Vdc and GND outputs. The outputs shall provide a total of 500 mA of -24 Vdc for powering one-way amplified speakers or other accessory devices. The chassis shall be AC grounded. The AC input shall be fuse protected at 1.0 Amp. The unit shall be UL Listed.

The unit shall have a power consumption of 1 Amp at 120 Vac. Page input shall have an impedance of 600 Ohms.

Music source impedance shall be 8 to 600 ohms. Music input level shall be -10 dBm nominal. Low level output impedance shall be 8 ohms. Low level output level shall be -10 dBm nominal and shall not exceed a maximum of 0 dBm. Handsfree talkback output impedance shall be 45 ohms. Handsfree talkback output level shall be 1-watt nominal. Voice switch

sensitivity shall be -26 dBm. Operating temperature shall be +32 to 104 °F (0 to + 40 °C). Operating humidity level shall be 0% to 85% noncondensing.

The Battery Back-up Supply, Model VPB-260, shall be available separately. It shall provide a polarized Molex connector compatible with the Molex connector on the V-2003AHF. In the event of power failure, it shall provide power back-up to the V-2003AHF and any additional equipment powered by the DC outputs on the V-2003AHF.

The housing of the unit shall be constructed of gray painted aluminum alloy. The maximum dimensions shall be 7.1 "H x 10.0 "W x 3.0 "D (18.034 cm x 25.4 cm x 7.62 cm). Weight shall be approximately 5.6lbs (2.52 kg).

## **LIMITED WARRANTY**

Valcom, Inc. warrants its products to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. The obligation under this warranty shall be limited to the re-placement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Valcom, Inc. indicates the validity of the claim,
2. the defect is not the result of damage, misuse, or negligence after the original shipment,
3. the product has not been in any way repaired by others and that factory sealed units are unopened (A service charge plus parts and labor will be applied to units defaced or physically damaged).
4. freight charges for the return of products to Valcom, Inc. are prepaid,
5. all units "out of warranty" are subject to a service charge. The service charge will cover minor repairs (major repairs will be subject to additional charges for parts and labor)

**This warranty is in lieu of and excludes all other warranties expressed or implied, and in no event, shall Valcom, Inc. be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation or use of the product.**

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.