

Technical Specifications

V-2003AHF Integrated Page Control

- Loop start, ground start, or page port access
- One-way all call (one page to all zones)
- Pulse & tone dial
- Background music mutes only in zone being paged
- Emergency page override for priority announcements
- Unlimited expansion
- Features programmable per zone
- Built-in tones: steady tone, warble tone, alert tones
- Battery back-up input (VPB-260)
- UL listed

Description:

The V-2003AHF Page Control provides telephone systems access to three zones of one-way paging or handsfree talkback. The V-2003AHF allows emergency page override for priority messages and is equipped with built-in tones for steady, warble and alert for a variety of applications.



3 Zone
Talkback

SPECIFICATIONS

INPUT

Input Impedance: 600 Ohms
Input level: -10 dBm nominal
Music source impedance: 8 to 600 Ohms
Music input level: -10 dBm nominal

OUTPUT

Low level output impedance 8 Ohms
Low level output level: -10 dBm nominal
Low level output level: 0 dBm maximum
DC output: -24 @ 0.5

SENSITIVITY

Voice switch sensitivity: -26 dBm

TALKBACK OUTPUT

Output impedance: 45 Ohm
Output level: 1-Watt nominal

CONTROLS

Speaker to phone volume control
Phone to speaker volume control
Background music volume control
Tone volume control
All-call page volume control

CONNECTIONS

Equipped with male 50 pin Amphenol connector for input/output connections. A 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 REQUIREMENTS

1A at 120 Vac
0.5A at 230 Vac

ENVIRONMENT

Temperature: +32 to +104 °F (0 to +40 °C)
Humidity: 0 to 85% non-condensing

HOUSING AND FINISH

Gray painted aluminum alloy

DIMENSIONS AND WEIGHT

7.10in H x 10.00in W x 3.00in D
(18.03cm x 25.4cm x 7.62cm)
Weight: 5.60lbs (2.54kg)
Shipping Weight: 8.20lbs (3.69kg)

ACCESSORIES

VPB-260 Battery Back-up Supply

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ARCHITECTS AND ENGINEERS

The Three Zone Integrated Talkback Page Control, model V-2003AHF, shall be a wall or shelf-mounted, telephone-compatible, three-zone, two-way talkback/one-way page control unit with integrated power supply, single/warble tone generator, and background music input. The V-2003AHF 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 V-2003AHF 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 V-2003AHF shall provide AGC circuitry for voice page input.

The V-2003AHF Three Zone Integrated Talkback Page Control shall provide three 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 to 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 V-2003AHF Three Zone Integrated Talkback Page Control 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 V-2003AHF 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 V-2003AHF shall also have the ability to provide inhibit (speaker cancel) to allow the handset-to-handset "meet me" answer to a page without the paging system broadcasting the conversation.

The V-2003AHF Three Zone Integrated Talkback Page Control shall be able to provide a single tone and an interrupted warble tone over the page. A contact closure shall activate the single tone and shall follow the contact operation. A contact closure or a 90 Vac ring signal shall activate the interrupted warble tone. The single tone shall have priority over the warble tone in the instance of coinciding activation.

The V-2003AHF Three Zone Integrated Talkback Page Control shall provide the ability to program features 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 V-2003AHF Three Zone Integrated Talkback Page Control shall have 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 the phone-to-speaker, speaker-to-phone, tones, background music, and page/all call. The V-2003AHF shall provide a three-conductor-grounded power cord with a NEMA 15-5P type plug for AC input and shall provide auxiliary -24 Vdc and GND outputs. The outputs shall provide 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 V-2003AHF Three Zone Integrated Talkback Page Control 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. The music input level shall be -10 dBm nominal. The low-level output impedance shall be 8 Ohms. The low 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. The operating temperature shall be +32 to 104°F (0 to + 40°C). The 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 V-2003AHF Three Zone Integrated Talkback Page Control shall be constructed of gray-painted aluminum alloy.

The maximum dimensions shall be: 7.10in H x 10.00in W x 3.00in D (18.03cm x 25.4cm x 7.62cm). Weight shall be approximately: 5.60lbs (2.54kg).

The V-2003AHF shall be UL listed.

Warranty information may be found on our website at www.valcom.com/warranty.