

TECHNICAL SPECIFICATION
SIX ZONE INTEGRATED PAGE CONTROL
MODEL V-2006AHF



FEATURES:

- Loop Start, Ground Start, Page Port Access
- Six Zones of Handsfree Talkback Paging
- One-Way Paging Capability
- Three Group Calls and One All Call Group
- Background Music Input
- Integrated Single/Warble Tone Generators
- Features Programmable Per Zone
- Integrated Power Supply
- Provides External Power for One-Way Amplified Speakers
- Battery Back-Up Compatible
- Page Override Input
- Expandable All Call



DESCRIPTION:

A telephone-compatible six-zone, handsfree talkback page control unit with integrated power supply, group call, all call, integrated single/warble tone generator, background music input, priority page input and expandable all call.

Specifications

INPUTS/OUTPUTS

Input Impedance: 600 ohms
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 @ 1.5 Amp

Additional Talkback Outputs

Output Impedance: 45 ohms
Output Level: 1-watt nominal
Voice Switch Sensitivity: -26 dBm

CONTROLS

Background Music Volume Control
 Tone Volume Control
 All Call Page Volume Control

AUXILIARY RELAYS

2 Form C make-break contacts
 Rated 2 Amps at 30 Vdc

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

AUXILIARY RELAYS

2 Form C make-break contacts
 Rated 2 Amps at 30 Vdc

HOUSING AND FINISH

Gray painted aluminum alloy

ENVIRONMENT

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

DIMENSIONS AND WEIGHT

10.9 "H x 13.0 "W x 2.7 "D (27.686 cm x 33.02 cm x 6.858 cm)
Weight: 7.5lbs (3.375 kg) **Shipping Weight:** 10.5 lbs (4.725 kg)

ACCESSORIES

Model VPB-260 Battery Back-up Supply

ARCHITECTS' AND ENGINEERS

The Six-Zone Integrated Talkback Page Control, Model V-2006AHF shall be a wall or shelf mounted, telephone compatible, six zones, two-way talkback 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 activate and shall be capable of recognizing either DTMF tones or rotary pulse for dial selection of six individual zones, three groups containing selected combinations of zones, and all call. The unit shall be programmable on a per zone basis for single tone, interrupted warble tone, inclusion in groups or all call, background music, and handsfree talkback or one-way page operation. The System options shall include dial tone, ring back tone/alert tone and repeated alert tone. The unit shall have the ability to connect in tandem with up to nine other units to provide a system wide all call.

The unit shall provide individual one-way low-level outputs for each zone. Individual handsfree talkback output shall also be provided for each zone. Group call and 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.

The unit shall provide two-page access inputs. One input shall be used for primary access of the unit. The second input shall be used for priority override page. When priority override is accessed for page, it shall override any other page in progress and provide an override tone indication. The unit shall provide AGC circuitry for all voice page inputs.

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 using DTMF tones through a dedicated RJ11 jack. Eight LED's shall be provided for aid in programming and to check programming status of each zone. Dip switches shall be provided for system option programming. The unit shall provide two auxiliary form C make-break contact closures. One shall activate simultaneously with the dial selection of zone six. The other shall activate upon the detection of the "*" tone after any individual zone has been accessed and shall time out after 2 seconds. The detection of the "#" tone shall return dial access.

Dialing codes shall be 1 through 6 for individual zones, 7, 8, and 9 for group calls and 0 for all call.

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, override page tip and ring input, programming input, and all call expansion input/output connections.

Screw terminals shall be provided for auxiliary contact closure connections. Volume controls shall be provided for phone to speaker, speaker to phone, tones, background music, page and 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 1.5 Amps 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 2.0 Amps. The unit shall be UL Listed.

The unit shall have a power consumption of 2 Amp at 120 Vac. Both page inputs 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. Auxiliary relay contacts shall be rated at 2 Amps at 30 Vdc. Operating temperature shall be +32 to 104 °F (0 to + 40 °C). Operating humidity level shall be 0% to 85% non-condensing.

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-2006AHF. In the event of power failure, it shall provide power back-up to the V-2006AHF and any additional equipment powered by the DC outputs on the V-2006AHF.

The housing of the unit shall be constructed of gray painted aluminum alloy. The maximum dimensions shall be 10.9 "H x 13.0 "W x 2.7 "D (27.686 cm x 33.02 cm x 6.858 cm). Weight shall be approximately 7.5 lbs (3.375 kg)

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