

# Technical Specifications

## V-2006AHF 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, CSA, CE

### Description:

The V-2006AHF Page Control provides telephone systems access to six zones of one-way paging or handsfree talkback plus three programmable zone groups and all call. The V-2006AHF allows emergency page override for priority messages and is equipped with built-in tones for steady, warble and alert for a variety of applications.



6 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 Vdc @ 1.5A  
For powering one-way amplified speakers or other accessory devices.

### 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

### AUXILIARY RELAYS

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

### SENSITIVITY

**Voice switch sensitivity:** -26 dBm

### 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

2A at 120 Vac  
1A 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

2022 Rev. 7.7.18

# Technical Specifications

## 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 V-2006AHF 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 V-2006AHF shall have the ability to connect in tandem with up to nine other units to provide a system wide all call.

The V-2006AHF Six-Zone Integrated Talkback Page Control 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 V-2006AHF Six-Zone Integrated Talkback Page Control 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 V-2006AHF shall provide AGC circuitry for all voice page inputs.

In connection with a telephone system supplying "A" lead control from each telephone, the V-2006AHF Six-Zone Integrated Talkback Page Control 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 V-2006AHF Six-Zone Integrated Talkback 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 V-2006AHF Six-Zone Integrated Talkback 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. The V-2006AH 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 V-2006AHF Six-Zone Integrated Talkback 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 V-2006AHF 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 V-2006AHF shall be UL Listed.

The V-2006AHF Six-Zone Integrated Talkback Page Control 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% 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-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 V-2006AHF Three Zone Integrated Talkback Page Control shall be constructed of gray painted aluminum alloy.

The maximum dimensions shall be: 10.90in H x 13.00in W x 2.70in D (27.69cm x 33.02cm x 6.86cm). Weight shall be approximately: 7.50lbs (3.40kg).

Warranty information may be found on our website at [www.valcom.com/warranty](http://www.valcom.com/warranty).