Technical Specifications

V-9972 Universal Paging Interface

- Use with SIP (Session Initiation Protocol) VoIP PBX
- Use with Valcom multi-zone page control unit with FXS or analog station ports (DTMF signaling only)
- Use with Valcom handsfree page units for talkback paging
- Multiple units may be connected for multi-zone paging with all call behind a PABX
- Background music, stereo or mono input; music mutes during page
- Volume controls for background music and tones
- Security code option to restrict page access
- Store & Play feedback eliminator option
- Multiple disconnect options
- Page verification tone
- Customizable Page alert tone
- Drive up to 150 one-way amplified speakers on 8 Ohm output (one-way output)
- Web interface for programming extended functions

The following features can be enabled with additional license purchase:

- Additional options for full compatibility with Valcom IP endpoints
- SIP expanded to 4 extensions, with Night Ring and Store & Play on all lines

Analog or SIP based

Description:

The V-9972 Universal Paging Interface is designed to provide access to paging systems from analog trunk or station inputs (FXO/FXS) and Session Initiation Protocol (SIP) voice over IP connections either through an on-premise PBX or Cloud PBX input. When paired with SIP connections the V-9972 supports Valcom handsfree page units for talkback paging and up to 150 Valcom one-way amplified speakers. The V-9972 connects multiple units for multi-zone paging.

The V-9972 enables features like background music and tones with volume control. Record, store and playback multiple messages like announcements. Using a universal interface future-proofs your infrastructure so you can use legacy equipment while being able to take advantage of new innovations.

VALCOM®

SPECIFICATIONS

AUDIO INPUT
Input impedance: 600 Ohms
Music source impedance: -10 dBm
Music input Level: -10 dBm nominal
Music Input Impedance: 10k Ohms

ONE WAY PAGE OUT
Impedance: Min. 8 Ohms
Page level: -10 dBm to 0 dBm
Music level: -17 dBm to 0 dBm
Music input impedance: 10k Ohms -23 dBm to 0 dBm
Answer verification tone: User programmable
Form A Contacts: 24 Vdc, 1.0 Amps

TALKBACK PAGE OUT (FXO OUTPUT)
Impedance: 600 Ohms
Page level output: -10 dBm Nominal

POWER REQUIREMENTS
600 mA @ -24 Vdc

CAPACITY
Drive up to 150 one-way amplified speakers on 8 Ohms output (one-way output)

ENVIRONMENT
Temperature: +32 to +122 °F (0 to +50 °C)
Humidity: 0-85% Non-condensing

HOUSING AND FINISH
Steel with black finish

DIMENSIONS AND WEIGHT
9.25in W x 10.12in D x 1.72in H
(23.49cm x 25.70cm x 4.36cm)
Weight: 2.50lbs (1.13kg)
Shipping Weight: 5.30lbs (2.39kg)

MOUNTING
Wall mount or rack mount in a standard 19 inch equipment rack using the brackets included

ARCHITECTS AND ENGINEERS

The Universal Paging Interface, model V-9972, shall provide access to paging systems from analog trunk or station inputs (FXO/FXS) and Session Initiation Protocol (SIP) voice over IP (VoIP) connections either through an on-premise PBX or Cloud PBX input. When paired with SIP connections the V-9972 supports Valcom handsfree page units for talkback paging and up to 150 Valcom one-way amplified speakers. The V-9972 connects multiple units for multi-zone paging.

The V-9972 Universal Page Interface accepts input from an FXO (loop start trunk) port, FXS (CO station) port or by IP network using Session Initiation Protocol (SIP). The output from the V-9972 can be Line Level audio, FXO (loop start signaling) or audio transmitted over the IP network using Valcom IP protocol. The V-9972 shall have an audio input impedance of 600 Ohms. Music source impedance shall be 8 to 600 Ohms. Music input level shall be -10 dBm nominal. Music input impedance shall be 10k Ohms.

The V-9972 Universal Paging Interface talkback page out (FXO Output) impedance shall be 600 Ohms. The V-9972 audio page level output shall be -10 dBm nominal. The V-9972 one-way page out impedance shall have a minimum of 8 Ohms. Page level shall be -10 dBm to 0 dBm. Music level shall be -17 dBm to 0 dBm. Music input impedance shall be 10k Ohms -23 dBm to 0 dbm.

The V-9972 Universal Paging Interface shall require 24 Volt DC power. Operating current shall be 600 mA at -24 Vdc. The V-9972 shall provide an auxiliary Form A contact closure. Auxiliary relay contact shall be rated at 1A at -24 Vdc. The V-9972 operating temperature shall be +32 to 104 °F (0 to + 40 °C). Operating humidity level shall be 0% to 85% non-condensing.

The V-9972 Universal Paging Interface shall be constructed of steel with black finish. The V-9972 shall be wall table or rack mountable.

The V-9972 Universal Paging Interface shall have multiple options available for programming. The programming interface using DTMF from a telephone on the input port provides a limited set of options. DTMF interface is very useful for setting the initial IP address so that further programming can be done over the IP network. The V-9972 shall include a Web Programming Tool Interface. The web interface gives a centralized platform that makes it simple to customize and program extented functions for a paging system. The VIP-102B IP Solutions Setup Tool shall provide access for programming all of the available software-controlled functions of the V-9972.

The maximum dimensions shall be: 9.25in W x 10.12in D x 1.72in H (23.49cm x 25.70cm x 4.36cm). Weight shall be approximately: 2.50lbs (1.13kg).

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