

Technical Specifications

VIP-PC3 IP 3 Zone Hybrid Page Controller

- Supports Valcom 45 Ohm, 25 Volt or Self-Amplified speakers
- Use with SIP (Session Initiation Protocol) VoIP PBX
- Multiple units may be connected over the network for expanded paging zones
- Background music input; music mutes during page
- Security code option to restrict page access
- Store & Play feedback eliminator option
- Multiple disconnect options
- Page verification tone
- Customizable page alert tone
- Scheduler for tone output on a timed basis



Description:

The VIP-PC3 IP Page Controller is a three zone hybrid analog one-way page controller, combining analog paging zones with IP capabilities to bridge the analog and IP worlds. The VIP-PC3 Page Controller has three one-way zones enabled, with three more zones available by license purchase. Both the 3-zone and 6-zone models can be upgraded to Talkback capability with license purchase.

SPECIFICATIONS

FXO INPUT

Ring Detect Voltage 13.5V Min REN 0.2

FXS INPUT

DC Open Circuit Voltage -48V Nominal
DC Feed Circuit 45mA Max
DC Differential Output Resistance 60-640 Ohms
Ringing Amplitude (nominal, open circuit) 108V peak
Ring Frequency 20Hz
Audio Sense Release: Programmable, 0-600 Seconds
Time Out Release: Programmable, 0-3600 Seconds

ZONE OUTPUTS

Impedance: Min. 8 Ohms
Page Level: -10dBm to 0dBm
Music Level: -17dBm to 0dBm
Music Input Impedance: 10k Ohms
-23dBm to 0dBm
Answer Verification Tone: User Programmable
Form A Contacts: 24Vdc, 1.0 Amp

NOMINAL POWER REQUIREMENTS

Via rear panel screw terminals: 24Vdc, 1 Amp
Via 802.3af PoE Ethernet Switch: Class 3

ENVIRONMENT

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

DIMENSIONS & WEIGHT

Single unit:
8.13" W x 10.75" D x 1.72" H
(20.7cm W x 27.3cm D x 4.4cm H)
Weight 2.0 lbs (0.91 kg)
Two units mounted for 19" Rack:
19.0" W x 10.75" D x 1.72" H
(48.3cm W x 27.3cm D x 4.4cm H)
Weight 4.1 lbs (2.31 kg)

MOUNTING

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

2025 Rev 3.21.25

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ARCHITECTS AND ENGINEERS

The IP 3 Zone Hybrid Page Controller, model VIP-PC3, 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 VIP-PC3 supports Valcom handsfree page units for talkback paging and up to 150 Valcom one-way amplified speakers. The VIP-PC3 connects multiple units for multi-zone paging.

The VIP-PC3 IP 3 Zone Hybrid Page Controller 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 VIP-PC3 can be Line Level audio, FXO (loop start signaling) or audio transmitted over the IP network using Valcom IP protocol. The VIP-PC3 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 VIP-PC3 IP 3 Zone Hybrid Page Controller talkback page out (FXO Output) impedance shall be 600 Ohms. The VIP-PC3 audio page level output shall be -10 dBm nominal. The VIP-PC3 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 VIP-PC3 IP 3 Zone Hybrid Page Controller shall require 24 Volt DC

power. Operating current shall be 600 mA at -24 Vdc. The VIP-PC3 shall provide an auxiliary Form A contact closure. Auxiliary relay contact shall be rated at 1A at -24 Vdc. The VIP-PC3 operating temperature shall be +32 to 104 °F (0 to + 40 °C). Operating humidity level shall be 0% to 85% non-condensing.

The VIP-PC3 IP 3 Zone Hybrid Page Controller shall be constructed of steel with black finish. The VIP-PC3 shall be wall table or rack mountable.

The VIP-PC3 IP 3 Zone Hybrid Page Controller 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 VIP-PC3 shall include a Web Programming Tool Interface. The web interface gives a centralized platform that makes it simple to customize and program extended 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 VIP-PC3.

The maximum dimensions for a single unit shall be: 8.13" W x 10.75" D x 1.72" H (20.7cm W x 27.3cm D x 4.4cm H). The maximum dimensions for two units mounted for 19" rack shall be: 19.0" W x 10.75" D x 1.72" H (48.3cm W x 27.3cm D x 4.4cm H)

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