

Technical Specifications

VRCPA RingCentral® Page Adapter

- Use with RingCentral cloud phone system
- 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
- Use with Valcom IP endpoints
- 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
- SIP expanded to 4 extensions, with night ring and store & play on all lines
- 24 Volt DC Power supply included



*Register up to
4 RingCentral extension
with one VRCPA adapter*

Description:

The VRCPA RingCentral® Page Adapter is designed to provide access to paging systems from RingCentral hosted Session Initiation Protocol (SIP) voice over IP (VoIP) connections, or through analog trunk or station inputs (FXO/FXS). When paired with RingCentral SIP connections the VRCPA supports Valcom handsfree page units for talkback paging and up to 150 Valcom one-way amplified speakers. The VRCPA can connect multiple units for multi-zone paging. The VRCPA easily connects to any legacy 25/70V system, Valcom analog one-way or talkback systems, Valcom IP speaker/horn endpoints or self-amplified speakers/horns.

The VRCPA web interface gives a centralized platform to make it simple to customize and program functions for a paging system.

2022 Rev.1.8.22

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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 RingCentral® Page Adapter, model VRCPA, shall be designed to provide access to paging systems from RingCentral hosted Session Initiation Protocol (SIP) voice over IP (VoIP) connections, or through analog trunk or station inputs (FXO/FXS). When paired with RingCentral SIP connections the VRCPA supports Valcom handsfree page units for talkback paging and up to 150 Valcom one-way amplified speakers. The VRCPA can connect multiple units for multi-zone paging.

The VRCPA RingCentral Page Adapter shall accept input from RingCentral via the SIP interface, but can also accept input from an FXO (loop start trunk) port or FXS (CO station) port. The output from the VRCPA can be Line Level audio, FXO (loop start signaling) or audio transmitted over the IP network using Valcom IP protocol. The VRCPA 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 VRCPA RingCentral Page Adapter talkback page out (FXO Output) impedance shall be 600 Ohms. The VRCPA audio page level output shall be -10 dBm nominal. The VRCPA 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 VRCPA RingCentral Page Adapter shall require 24 Volt DC

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

The VRCPA RingCentral Page Adapter shall be constructed of steel with black finish. The VRCPA shall be wall table or rack mountable. The VRCPA RingCentral Page Adapter 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 VRCPA 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 VRCPA.

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

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

