

Telecommunication Peripheral Products

Technical Practice

PI-1

Universal Telecom/Paging Interface

December 12, 2001

Interface Your Paging System with Nearly Any Phone System!



Viking's Universal Telecom/Paging Interface allows you to provide paging from nearly any phone system instead of from a microphone. You can also provide background music and electronic night bell over the audio system.

The **PI-1** features a built-in voice activated (VOX) or AC ring activated relay which provides D.P.D. T. contacts for muting background music during paging or to provide an electronic night bell. These contacts are necessary when interfacing with systems such as Panasonic, South Western

Bell, Intertel, etc., which do not provide a paging contact closure.

In the event a paging port is not available, the **PI-1** can provide talk battery to allow connection of the public address system to an unused trunk input on the phone system.

The electronic night bell feature is activated by a standard ringing C.O. line, analog PABX/KSU station circuit or by a common audible contact closure provided by an electronic key system.

http://www.VikingElectronics.com

Features

- Floating 600 ohm output
- Selectable 12V DC talk battery for interfacing with C.O. ports
- Paging port interface
- · Ringing analog line input for night bell
- Contact closure input for night bell
- Normally open and normally closed VOX activated contacts for cutting out background music
- Adjustable VOX contact time-out
- Adjustable ring volume

Sales...(715) 386 - 8861

Applications

- Integrate your public address system with nearly any phone system
- Cut out background music during paging
- Electronic night bell from ringing line or contact closure

Specifications

Power: 120V AC/12V DC 500mA, UL listed adapter provided **Dimensions:** 133mm x 89mm x 44mm (5.25" x 3.5" x 1.75")

Shipping Weight: .45 kg (1 lb)

Environmental: 0°C to 32°C (32°F to 90°F) with 5% to 95% non-

condensing humidity

Relay Contacts: 30V DC@1A, 110V DC@0.3A, 125V AC @0.5 Maximum Ring Output: 490mV AC RMS no load, 150mV AC

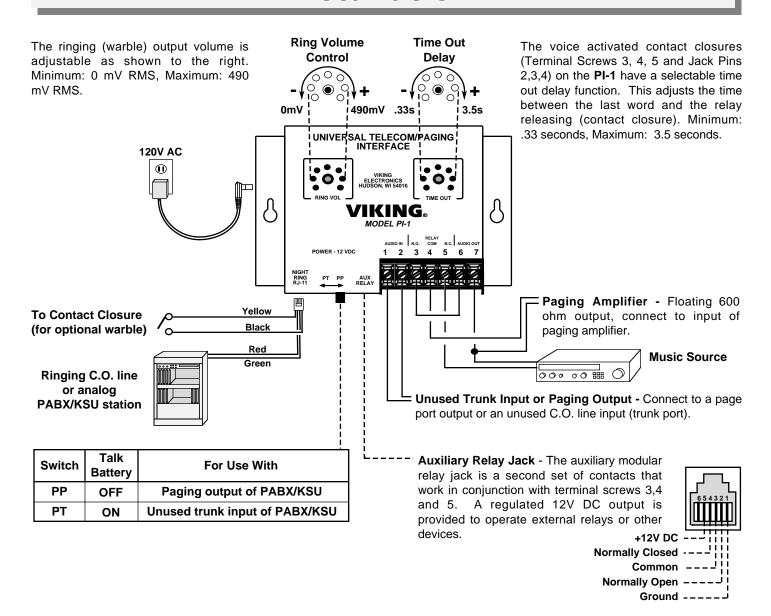
RMS@600 ohms

VOX Minimum Audio Signal to Activate Relay: 50mV AC

RMS@1K Hz

Talk Battery: 12V DC

Installation



Operation

When voice is detected on the "AUDIO IN" circuit, the PI-1 opens the normally closed contacts and closes the normally open contacts allowing background music source to be interfaced without interfering with paging. Depending on the selectable time-out delay, the music source will come back between .33 and 3.5 seconds after the last word. A floating 600 ohm output is provided to interface with most standard public address systems.

The **PI-1** will also produce a 600 ohm night bell warble from a contact closure, ringing C.O. or analog PABX/KSU station. This warble volume can be adjusted using the **RING VOL** potentiometer as shown above.

Product Support Line...(715) 386-8666

Fax Back Line...(715) 386-4345

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