

REMOTE AMPLIFIER ADAPTER V-5335305

INTRODUCTION

The PagePac[®] Remote Amplifier Adapter provides a method of extending the speaker coverage of your PagePac paging system, by using an additional PagePac 6 or AmpliCenter as a remote amplifier at remote or off-site locations. Note that the adapter can not be connected to a 70V output.

For example, the Remote Amplifier Adapter may be connected to a voice coil speaker cable at the beginning or at the end of the cable run as appropriate. If used at the end of the run, the Adapter modular cord (P2) is connected to the PAGE INPUT Jack (J1) on the "remote" unit. If used at the start of the run, four wires are used to connect the remote amplifier. The page signals from the primary unit are now available from the remote unit. Adapters may also be used with systems that provide talkback and zone paging. Music is available to the remote unit from the main unit only if the Remote Amplifier Adapter is connected to the music input of the remote unit.

SPECIFICATIONS

FEATURES

- Screw-type Terminals, modular cord and RCA male connector

Dimensions/Weight

- 4"W x 2"H
(10.16cm x 5.08cm)
- .0132 lbs (.059 kg)

INSTALLATION

IMPORTANT! Refer to Secondary Circuit Protection Information.

The Remote Adapter has been designed to connect voice coil outputs (3.4 volt system) to PagePac 6 or D-Series AmpliCenter units which



are located in separate buildings or when the units are separated by 2,000 feet or more. To accommodate the potential power loss of large distances, the output of the Remote Amplifier Adapter is 7 db "hotter" than the "PAGE INPUT" of the remote D-Series Amplicenter. When connecting two D-Series Amplicenter units, which are within the same building or within 2,000 feet of each other, the remote PagePac may be overdriven by the first. To alleviate this potential problem a 200 Ohm 1/4 watt resistor has been included with each Remote Amplifier Adapter attached to the "R" (Ring terminal. Attach this resistor across the "T" and the "R" (Tip and Ring) terminals when the two PagePac 6 or D-Series Amplicenter units are within the same building (or are located less than 2,000 feet from each other). The 200 Ohm resistor should not be attached when the remote Amplicenter is in another building or further than 2,000 feet from the first Amplicenter.

To install a Remote Amplifier Adapter, make the connections shown in Figure 1. A description of the screw-type terminals located on the adapter is provided in Table 1.

SECONDARY CIRCUIT PROTECTION

Important Information

This equipment is for use on telephone wiring containing a secondary circuit protector. This paging equipment requires a Secondary Circuit Protector where applicable (see Figure 2).

The secondary circuit protector must be located between the primary protector and the paging equipment. Refer to the Safety Information below.

Safety Information

- The Secondary Circuit Protector is used when connecting paging equipment directly to telephone lines that may be exposed to high voltage power lines.
- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- Use applicable Valcom approved device.

TECHNICAL ASSISTANCE

When calling, have a VOM and a telephone test set available and call from the job site. Call (540) 563-2000 and ask for PagePac Technical Support, or visit our websites at <http://www.pagepac.com> and www.valcom.com.

Should repairs be necessary, attach a tag to the unit clearly stating company name, address, phone number, contact person, and the nature of the problem. Send the unit to:

Valcom, Inc.
PagePac® Repair Dept.
5614 Hollins Road
Roanoke, VA 24019-5056

| Adapter Terminal | Description |
|------------------|--|
| + - | These terminals provide a voice-coil speaker output from the primary AmpliCenter or ZoneMate. Speakers may be connected to these terminals or these terminals can be used as your input to the Remote Amplifier Adapter when an RCA cable is not used to connect to the primary PagePac. |
| C C1 | Terminals C and C1 are control leads for the remote AmpliCenter or PagePac 6. They are shorted to switch the remote unit to the page mode. C and C1 may be connected to the same dry contact closure used for the primary AmpliCenter, or they may be jumpered to hold the remote unit in the page mode. |
| T R | These are auxiliary tip and ring connections, and may be used to monitor the tip and ring input to the remote unit. |

Table 1. Description of terminals for the Remote Amplifier Adapter

CAUTION: Cord P1 must never be connected to the 70 volt output (Jack J4) on the primary Amplicenter, doing so may result in damage to the Remote Amplifier Adapter.

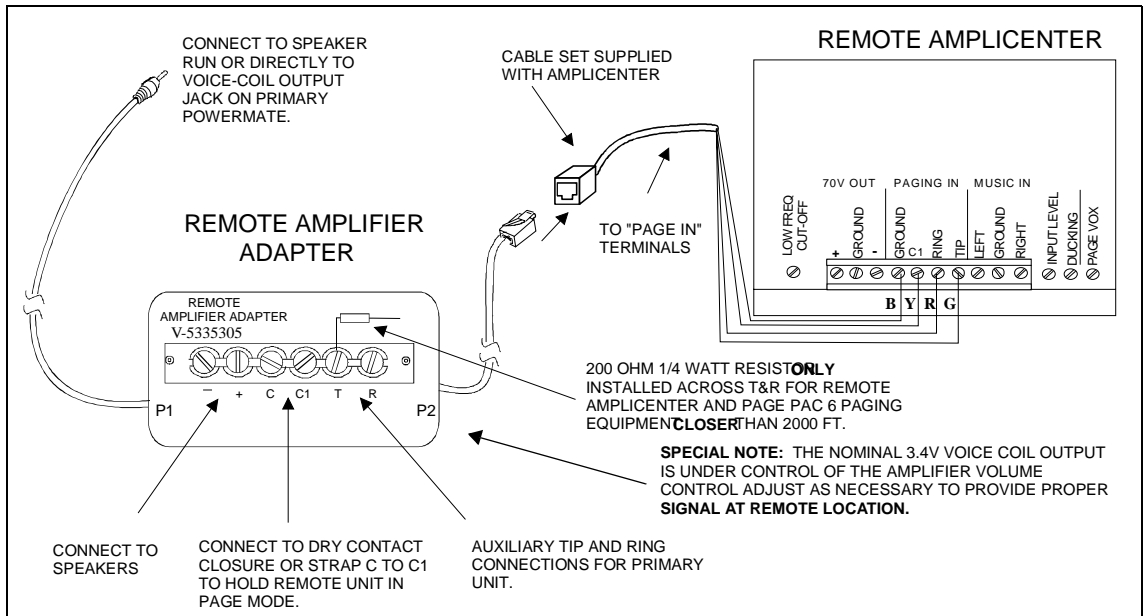


Figure 1. Typical Remote Amplifier Adapter Connections for D-Series Amplicenter

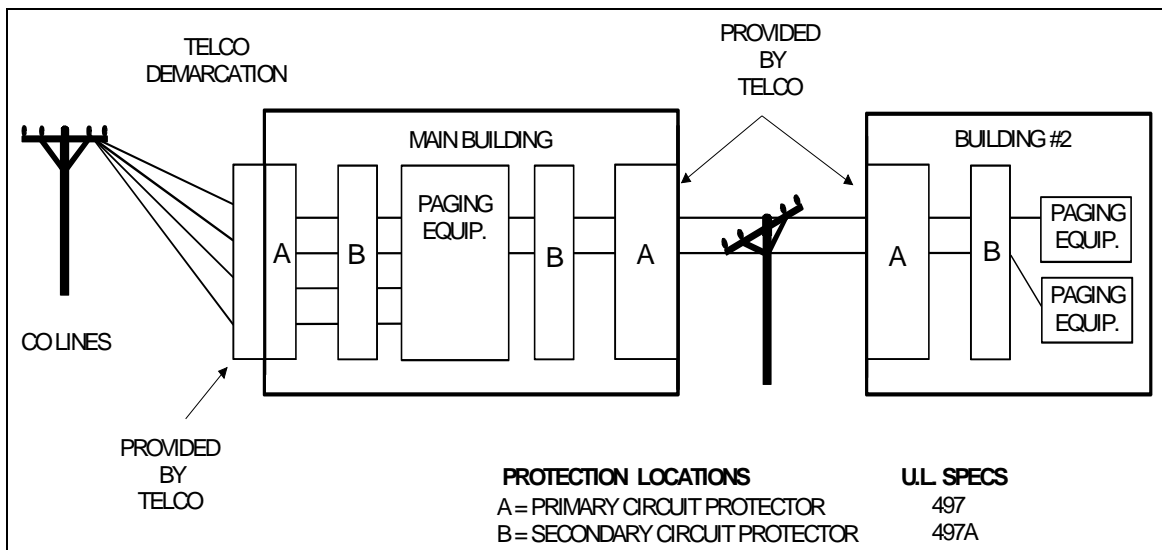


Figure 2. Example configurations requiring Secondary Protection when paging equipment is connected directly to the telephone network