

40 WATT EXPLOSION PROOF HORN V-5331215A

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INTRODUCTION

Explosion Proof Horn Speakers are constructed so that all electrical components are sealed from the atmosphere and may be used in areas where flammable substances are present. The explosion proof speakers require some assembly before installation (see Figure 1).

Explosion proof speakers are mounted, using the U-shaped mounting bracket (attached to each speaker). These brackets are intended primarily for mounting on flat surfaces, and each bracket has three holes which may be used for installing mounting hardware. Speaker position in the vertical axis may be adjusted by loosening the bolts that secure the bracket to the speaker body (see Figure 1).

SPECIFICATIONS FEATURES

- UL/CSA Approved
- Heavy Duty Construction
- Omni-Directional Mounting Bracket
- 5 Tap Settings (2.5W, 5W, 10W, 20W, 40W)

Nominal Specifications

• Dispersion: Wide Angle

• Input: 70.7V Line

• Output: 101dB - 113dB

Dimensions/Weight

• 16.5"Dia. x 21.5"D (41.9cm x 54.6cm)

• 27 lbs. (12.2 kg)

Environment

• Temperature: -4 to 131° F (-20 to 55° C)

• Humidity: 0 to 95%



INSTALLATION MOUNTING

Separate the horn and the base of the speaker by holding the base of the speaker tightly and turning the horn counterclockwise (see Figure 1, View 1). Separate the two halves of the speaker base by removing the eight bolts (see Figure 1, View 2). Make the conduit entry into the speaker as required by local ordinances for the class and type of speaker used (see Figure 1, View 3).

On the speaker cable, separate the inner wires for a distance of 3 or 4 inches by stripping away insulation from the main cable. If using shielded cable, the inner wire without insulation is the shield wire. Strip approximately 1/2 inch of insulation from the end of each of the smaller insulated wires.

Note: The cable must enter the speaker through a conduit that has been installed according to local ordinances for the class and type of speaker used.

Connect the wires on terminals 1 and 2. If shielded cable is used, either splice the shield wire to provide a continuous shield to the next speaker, or clip the shield wire at the point where it emerges from the main cable, as appropriate. The shield wire should not be terminated on the speaker.

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POWER ADJUSTMENTS

If necessary, remove the power tap selection wire (white wire) and reattach it to the desired power tap. The numbers on the terminal strip indicate the output in watts for a 70-volt paging system (on a 25-volt paging system, the output will be approximately 1/8 of that indicated (see Table 1)). Reassemble the two halves of the speaker case by reinstalling the eight bolts.

CONNECTION TO AMPLIFIER

Exercise special care in removing back cover of explosion proof driver enclosure (Part 1) to avoid damaging machined surfaces. Prior to reassembly, make certain that joining surfaces of enclosure are free of dirt. Tighten all cover bolts completely. To provide the specified protection in hazardous locations, please note that no compound of any type is to be applied on machined flange.

TABLE 1. 40-Watt Explosion Proof

Impedance 70V Power 25V Power Tap Setting Ohms Watts Watts 2K 0.330 1 2.50 2 1K 5.00 0.650 3 500 10.0 1.30 4 250 20.0 2.60 5 125 40.0 4.80

TECHNICAL ASSISTANCE

When calling, have a VOM and a telephone test set available and call from the job site. Call (540) 427-3900 and ask for PagePac Technical Support, or call (540) 427-6000 for Valcom 24-hour Automated Support. 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

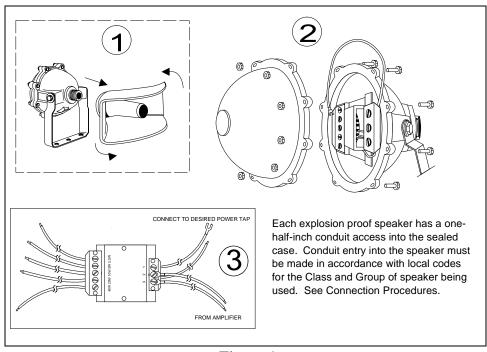


Figure 1

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