

## **15 WATT HORN (70V) - V-5331200**

## **30 WATT HORN (70V) - V-5331205**

### **INTRODUCTION**

The 15 Watt and 30 Watt 70 Volt Horns are suitable for large and/or noisy areas such as warehouse and manufacturing facilities. Minimum effective mounting height for a horn is 15 feet, 20 feet is preferable. However, in a system with talk-back (hands-free answer back) the speaker may have to be mounted as low as 8 to 12 feet and set at a lower power setting.

Speakers must be mounted in locations that provide a clear sound path to the area paged. In areas with high shelving, more horns may be needed for adequate coverage. To avoid feedback, do not place telephones or microphones near horns. Various power outputs can be easily selected on the speakers using the rotary power switch.

### **SPECIFICATIONS**

#### **FEATURES**

- Has variable wattage settings (see Tables 1 and 2)
- Works with 25V or 70V systems

#### **Nominal Specifications**

- Frequency Response:  
15W (275Hz - 14kHz)  
30W (225Hz - 14kHz)
- Dispersion:  
15W (110°) / 30W (100°)
- dB SPL @ 1W, 1 Meter:  
15W (111dB) / 30W (112dB)

#### **Power Requirements**

- 15W: 25V system: .225W to 1.87W adjustable  
70V system: .25W to 15W adjustable
- 30W: 25V system: 1.9W to 15W adjustable  
70V system: 2W to 30W adjustable



#### **Weight/Dimensions**

- 15 Watt Horn (4 lbs./1.8 kg)  
8"W x 8"H x 9"D (20.3 x 20.3 x 22.9 cm)
- 30 Watt Horn (6 lbs./2.7 kg)  
10"W x 9.5"H x 10.5"D  
(25.4 x 24.1 x 26.7cm)

#### **Environment**

- Temperature: 0 to 40°C (32 to 104°F)
- Humidity: 0 to 85%

### **INSTALLATION**

#### **Wire Connections**

A clear plastic cover protects the horn screw terminals and provides strain relief for the wires.

1. Remove the two screws from the plastic cover.
2. Connect the audio wires to the horn.
3. Connect the (+) 70V speaker wire to terminal 2 (see Figure 1).
4. Connect the (-) common side speaker wire to terminal 1 (see Figure 1).
5. Do not replace the plastic cover until final power adjustments have been made.

### Final Power Adjustments

While a page is in process, adjust the power tap setting control with a screwdriver. Turn clockwise to increase the volume (see Figure 1).

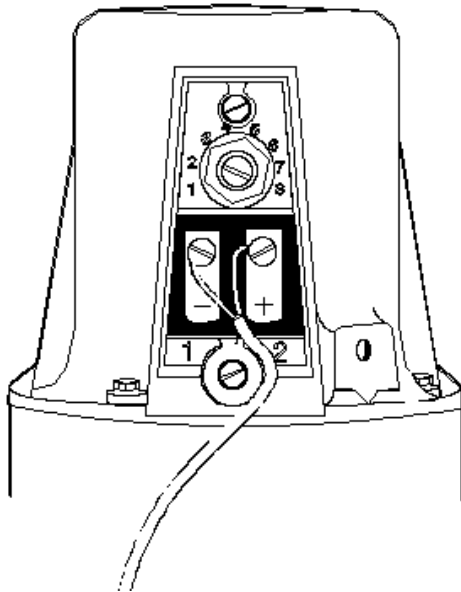
**NOTE:** Protect hearing when working around horns.

### TECHNICAL ASSISTANCE

Assistance in troubleshooting is available from the factory. When calling, have a VOM, a telephone test set available and call from the job site. Call (540) 563-2000 and press 1 for Technical Support or visit our websites at <http://www.pagepac.com> and [www.valcom.com](http://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**

**Table 1: 15 WATT SETTINGS**

SWITCH SETTING	70V TAP SETTINGS	25V TAP SETTINGS
1	0.25	-
2	0.50	-
3	0.90	-
4	1.80	0.225
5	3.80	0.475
6	7.50	0.93
7	15.0	1.87

**Table 2: 30 WATT SETTINGS**

SWITCH SETTING	70V TAP SETTINGS	25V TAP SETTINGS
1	2	*
2	3.8	*
3	7.5	*
4	15.5	1.9
5	30	3.7
6	*	7.0
7	*	15.0

\* Do not use this tap on respective Volts