

1 WATT VOICE-COIL HORN V-5331001

INTRODUCTION

The 1 Watt Voice-Coil Horn is suitable for paging in smaller, quiet warehouse and manufacturing facilities. Normal mounting height for a horn is 15 to 20 feet. 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. Talkback is not recommended for noisy environments.

SPECIFICATIONS FEATURES

- Design enables the adjustment of sound level via speaker transformer taps. As the taps are turned down, the power consumption from the amp also goes down and does not consume the full one watt.
- The 1 Watt Voice-Coil Horn is not compatible with 25 or 70V systems

Nominal Specifications

• Frequency Response: 700Hz - 6kHz

• Dispersion: 80°

Output: 107 dB SPL @ 1W, 1 Meter

Power Requirements

• .016 to 1 Watt adjustable

Dimensions/Weight

3 lbs.(1.4 kg)
 6.8"Dia. x 8.2"D (17.3cm x 20.8cm)

Environment

• Temperature: 0 to 40°C (32 to 104°F)

• Humidity: 0 to 85%



INSTALLATION

Do not connect more than two horns per talkback zone. Speakers must be mounted in locations that provide a clear sound path to the area being paged. Avoid placing speakers in front of shelves, partitions, or other obstructions. To avoid feedback, do not place telephones close to horns. Various power outputs/tap settings can be easily selected on the speakers, using the rotary power switch.

MOUNTING

1

Loosen the wing nut and remove the tapered locking pin. Separate the horn from the bracket.

Mount the bracket using appropriate hardware (not supplied). Position the horn back on the bracket for optimum sound direction and install locking pin and wing nut. (see Figure 1).

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 (+) side of the speaker wire to terminal 2. Connect the (-) common side of the speaker wire to terminal 1 (see Figure 2).

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4. Do not replace the plastic cover until final power adjustments have been made.

FINAL POWER ADJUSTMENTS

Ensure that the speaker is set to its lowest setting (this will prevent an excessively loud page when first used). While a page is in process, adjust the volume control with a screwdriver. Turn clockwise to increase the volume (see Table 1).

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 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:

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

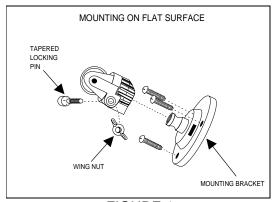


FIGURE 1

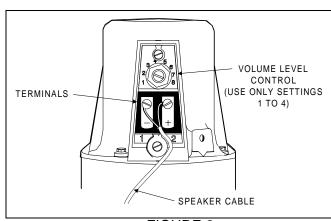


FIGURE 2

Table 1: SWITCH SETTINGS

CMITCH		3.4 Vrn	ns Input
SWITCH SETTINGS	IMPEDANCE OHMS	POWER WATTS	SPL DECIBELS
1	720	0.016	89
2	180	0.063	95
3	45	0.25	101
4	11.5	1.0	107

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NOISE LEVEL	SPL-89	SPL-95	SPL-101	SPL-107
N dB	.016 WATT			1.0 WATT
68 dB	45	80		
69 dB	40	70		
'0 dB	35	65		
'1 dB	30	60	100	
72 dB	25	55	90	
3 dB	22	50	80	
74 dB		45	70	
5 dB		40	65	
6 dB		35	60	
7 dB		30	55	100
8 dB		25	50	90
9 dB		22	45	80
0 dB			40	70
1 dB			35	65
2 dB			30	60
3 dB			25	55
4 dB			22	50
5 dB			20	45
6 dB				40
7 dB				35
3 dB				30
9 dB				25
0 dB				22
dB				20

WIRE EACH SPEAKER ON ITS OWN MINIMUM 22 GA. WIRE RUN. WIRE RUN NOT TO EXCEED 300 FEET.

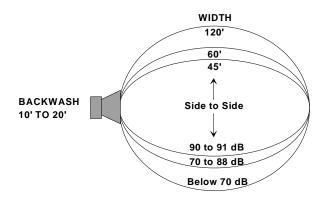


Figure 3

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