

30 WATT SUSPENDED-RADIAL HORN (70V) V-5331210

INTRODUCTION

Horn speakers that produce high sound levels are capable of covering large noisy areas. Minimum effective mounting height for a horn is critical. The Suspended-Radial Horn is used when 360° sound dispersion pattern is required.

NOTE: Speaker is provided with 10' mounting chain. If this is not enough, additional chain must be acquired. See suggested mounting height for chain requirements (Figure 2).

SPECIFICATIONS

FEATURES

- High Intelligibility
- Built-in Transformer
- 360° Radial Dispersion

Nominal Specifications

- Frequency Response: 225Hz - 14kHz
- Dispersion: 360°
- 112 dB @ 1W, 1 Meter
- 70 Volt / 30 Watt

Dimensions/Weight

- 13.0"W x 11.8"H (33.0cm x 29.9cm)
10 lbs. (4.5 kg)

Environment

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



INSTALLATION

MOUNTING

Attach the 10 foot metal chain supplied with the horn to the post and ring on the horn base (see Figure 1).

The device used to attach the chain to the ceiling must withstand a 30 pound pull test, or the weight specified by local construction or safety codes, whichever is greater.

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. Set volume adjustment to lowest setting.
3. Connect the (+) 70V side of the speaker wire to terminal 2. Connect the (-) or common side of the speaker wire to terminal 1 (see Figure 1).
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). Conduct test page and increase volume as necessary with a screwdriver. Turn clockwise to increase the volume (see Table 1). Install the plastic cover.

NOTE: Due to high decibel output, it is not recommended to test paging while working closely with the horn speaker.

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:

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

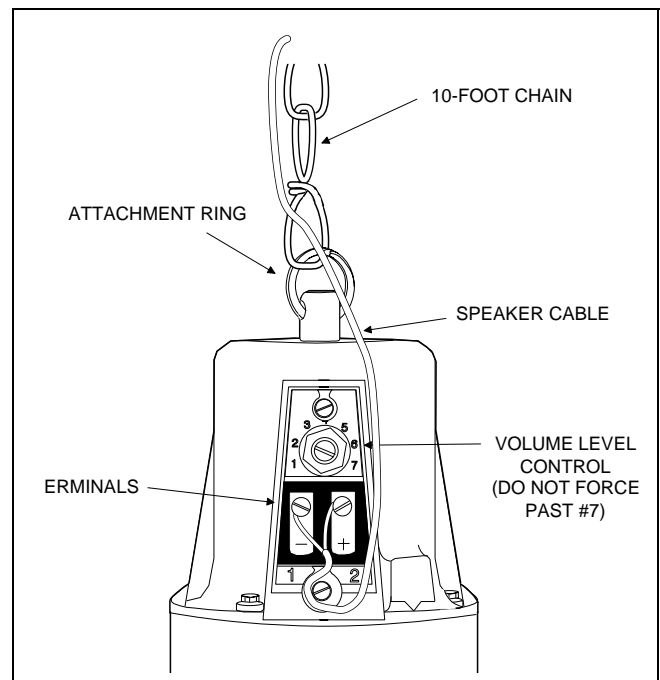


FIGURE 1

Table 1: SWITCH SETTINGS

SWITCH SETTINGS	70V WATTS	25V WATTS
1	1.80	DO NOT USE
2	3.70	DO NOT USE
3	7.50	0.9
4	15.0	1.80
5	30.0	3.70
6	DO NOT USE	7.5
7	DO NOT USE	15.0

30 WATT RADIAL HORN PROJECTION DISTANCE					
WATTAGE SETTINGS FOR 70 VOLT SPK					
DISTANCE SHOWN IS THE RADIUS OF CIRCLE OR DISTANCE FROM SPK					
NOISE LEVEL IN dB	SPL-111 1.8 WATT	SPL-114 3.7 WATT	SPL-117 7.5 WATT	SPL-120 15 WATT	SPL-123 30 WATT
70 dB	75**				
71 dB	75**				
72 dB	75**				
73 dB	75**	** USE ATTENUATOR			
74 dB	75**				
75 dB	75**				
76 dB	75**				
77 dB	75**				
78 dB	96				
79 dB	86				
80 dB	75				
81 dB	64	96			
82 dB	58	86			
83 dB	53	75			
84 dB	48	64	96		
85 dB	42	58	86		
86 dB	37	53	75		
87 dB	32	48	64	96	
88 dB	28	42	58	86	
89 dB	26	37	53	75	
90 dB	24	32	48	64	96
91 dB	20	28	42	58	86
92 dB	18	26	37	53	75
93 dB	16	24	32	48	64
94 dB	15	20	28	42	58
95 dB	13	18	26	37	53
96 dB	12	16	24	32	48
97 dB	8	15	20	28	42
98 dB	7	13	18	26	37
99 dB	6	12	16	24	32
100 dB	5	8	15	20	28
101 dB		7	13	18	26
102 dB		6	12	16	24
103 dB		5	8	15	20
104 dB			7	13	18
105 dB			6	12	16
106 dB		12 FT	5	8	15
107 dB				7	13
108 dB				6	12
109 dB					8

SUGGESTED MOUNTING HEIGHTS

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46 FT

30 FT

26 FT

24 FT

18 FT

14 FT

FIGURE 2