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Loudspeaker Devices



Vandal Resist 4HV 4HV Series

4" Horn, enclosed within a zinc diecast housing, 2 or 8 watt 70V audio transformer

FEATURES

- Arnscott 4HV Series of 4" Vandal and Weather Resistant Horn Assemblies
- Vandal and Weather Resistant zinc diecast, Powder Coated White Housing
- Horn and enclosure design makes it almost impossible to puncture the horn diaphragm
- Vandal Resistant Mounting Hardware Included - Recessed Head for More Security
- 4" Round Horn, 10 oz Motor Assembly
- Built-in Audio Transformer, 70.7V, 2 or 8 Watt.
- Rugged High Temperature Voice Coil
- Smooth Very Efficient Voice Quality Frequency Response
- Surface, Semi-Flush and Dual Horn Mounting Options
- The 4HV Series is designed to be used in Airports, Court Holding Rooms, Jails, Prisons, Public Washrooms, Subways, or areas in which vandalism to the horn assembly is an issue.





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4HV - Vandal Resistant

4" Round Horn, 70Volt, 2 or 8 Watt Audio Transformer, Square Vandal and Weather Resistant Diecast Housing

4HV Vandal Resistant

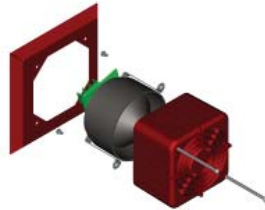
SPECIFICATIONS

POWER:	2 or 8 Watt 70V Audio transformer
FREQUENCY RESPONSE:	400 - 5kHz +/- 5dB (As an assembly)
INPUT:	70.7 Volt Audio Line matching Transformer
TRANSFORMER TAPS:	2W / 8W - See chart below
SENSITIVITY:	97dB (1W1M) Average over given frequency response
DIMENSIONS:	4-1/4"(108 mm) square, 3-3/4"(95 mm) deep (2W), 4-1/4"(108mm)(8W)
DISPERSION ANGLES:	-3dB down at 75 degrees, -6dB down at 110 degrees
DISTORTION:	3.5% max over rated frequency response

GENERAL INSTALLATION INFORMATION

Model Number	Speaker Voltage (RMS)	Power Taps (WATTS)	Mounting Configurations			Baffle Shape	Vandal Resist
			Semi-Recessed	Surface	Dual		
Speaker Devices With White Baffle							
4HV-270	70.7	¼, ½, 1,2	E50D / TR50	E50D or SE50DW	SE52W	S	Y
4HV-870	70.7	1,2,4,8	E50D / TR50	E50D or SE50DW	SE52W	S	Y

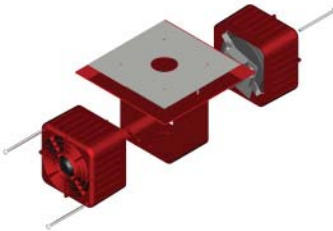
4HV With TR50 for semi-flush installations



4HV with SE50DR (red) for Surface mount conditions in outdoor Installations



4HV with SE52R (red) for corridor mount applications.





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4" Round Horn, 70Volt, 2 or 8 Watt Audio Transformer, Square Vandal and Weather Resistant Diecast Housing

4HV Vandal Resistant

GENERAL INSTALLATION INFORMATION - Continued

- "W" at the end of the part number represents WHITE which is standard, "R" represents RED
- For semi-flush mounting use one of the above horns, plus a 4" square electrical box 2-1/8" deep and our TR50 trim ring with the appropriate matching colour code.
- For interior surface mounting use one of the above horns, plus a 4" square electrical box 1-1/2"(up to 2 watt models) – 2-1/8"(8 watt models) deep with the appropriate matching colour code.
- For exterior Surface mount conditions use the SE50P plastic enclosure for grey horns only, or the SE50D zinc diecast box with the appropriate matching colour code.
- For Inside dual applications use our SE52W dual mount enclosure, specify the appropriate paint finish code and allow for two horns per installation. Horns should be of the same type.
- Ground Wire is included.
- E50D is a standard 4" x 2-1/8" electrical box. For inside surface mount applications, use suffix paint codes listed above.
- E50 is a standard 4" x 1-1/2" electrical box. For inside surface mount applications, use suffix paint codes listed above.
- TR50 is a 6-5/16" square plaster trim ring used for semi-flush mounting. Attach paint codes to the end of the part number to specify colour.
- SE50P is a grey plastic weatherproof surface mount box, SE50D is a die-cast surface mount weatherproof back box. To specify colour for the SE50D attach the paint codes shown above to the end of the part number.
- SE52W is an interior dual mount bracket. Two horns are required and mount back to back. The body depth of this enclosure is 2-3/4" deep. To specify colour for the SE52 attach the paint codes shown above to the end of the part number.

ARCHITECTS AND ENGINEERS SPECIFICATIONS

The Arnscott 4HV Series of Vandal Resistant Loudspeaker Assemblies are designed for installations which require a good level of protection for both the horn, and the actual baffle itself. The ARNSCOTT models 4HV SERIES consist of a horn loaded driver with a 1-5/16" voice coil and 10 oz magnet complete with a low profile constant voltage line matching transformer, a D.C. blocking capacitor and a die-cast metal speaker baffle finished in white powder coat. The terminal block shall be the rising washer type to allow in-out wiring down to 12 gauge wire size. The frequency response of the complete voice alarm unit shall be better than 400 to 5,000Hz.. The 70.7 Volt transformer shall be of the line matching type, with the following power taps; 8, 4, 2 and 1 watt which can produce a maximum sound pressure level output up to 106dB. at 1M. The two-watt model is available as well with taps of 0.25, 0.5, 1 and 2 watts producing a maximum of 100dB. @ 1M. ARNSCOTT Model 4HV SERIES of Horn paging units shall be used wherever vandal and weather resistant, higher power and high SPL output 4" voice and tone alarm devices are specified. The 4HV Series is designed to be used in Court Holding Rooms, Jails, Prisons, Public Washrooms, Subways, or areas in which vandalism to the horn speaker assembly is an issue. This speaker assembly is of High Quality. The V8 Series is complete with 70V Audio Transformer, either 4 or 8 watt maximum power. The 4HV Series shall mount semi-flush to Arnscott Model E50D/TR50 Back Box, E50D or SE50DW Back Box for surface conditions, or Arnscott Model SE52W for dual horn, corridor type installations. Custom colours are available upon request.