

GENT

by Honeywell

8.1: VIGILON VOICE ALARM SYSTEM

Ceiling Loudspeakers

This family of ceiling loudspeakers has been carefully designed to satisfy the most critical eye. The units are stylish yet unobtrusive and are supplied with a fire-dome.

The units are made from a pressed steel epoxy coated chassis incorporating a twin cone driver, which has a wider frequency range than the standard single cone alternative, making this range more suitable for use in applications where background music is a primary requirement.

Ease of installation is a key feature of these units, incorporating a user-friendly spring release action providing quick and easy access to transformer tapings once installed.



Ceiling Loudspeakers

| TECHNICAL SPECIFICATION | | | |
|---|-----------------------------------|-----------------------------------|-------------------------|
| | 5" 6W Round Loudspeaker | 6" 6W Round Loudspeaker | 20W Coaxial Loudspeaker |
| Rated power, watts | 6 | 6 | 20 |
| Transformer tapings 100 volt line, Watts | 6/ 3/ 1.5/ 0.75/ 0.25 | 6/ 3/ 1.5/ 0.75/ 0.25 | 20/ 10/ 5/ 2.5 |
| Transformer Impedance, Ohms | 1.67k/ 3.33k/ 6.66k/ 13.3k/ 39.9k | 1.67k/ 3.33k/ 6.66k/ 13.3k/ 39.9k | 0.5k/ 1k/ 2k/ 4k |
| 70.7 volt line, Watts | 3/ 1.5/ 0.75/ 0.375/ 0.125 | 3/ 1.5/ 0.75/ 0.375/ 0.125 | 10/ 5/ 2.5/ 1.25 |
| Driver impedance, Ohms | 8 | 8 | 8 |
| Effective frequency range, Hz | 100 – 17,500 | 85-18500 | 50-2000 |
| S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100Hz-10 kHz | 92 | 93 | 94 |
| S.P.L. @ Full power Octave bandwidth, dB | 95 | 97 | 107 |
| Acoustic Power (dB-PWL@1 watt) 1KHz/2KHz, dB | 92/93 | 88/90 | 88/89 |
| Dispersion at 1KHz/2KHz, | 180/120 | 180/180 | 160/90 |
| Directivity Q factor, 1KHz/2KHz | 1.9/6.6 | 2.1/6.5 | 5.5/8.6 |
| Dimensions Diameter, mm | 189 | 239 | 280 |
| Net weight, Kg | 1.5 | 1.90 | 2.93 |
| Colour / Finish | White RAL9016 | White RAL9016 | White RAL9016 |
| Material | Steel | Steel | Steel |
| Mounting | Torsion Springs | Torsion Spring | Torsion Springs |

ORDER CODES

5" 6W Round Metal Ceiling Loudspeaker 13421-12-DC

6" 6W Round Metal Ceiling Loudspeaker 13421-14-DC

20W Coaxial Round Metal Ceiling Loudspeaker 13421-17-DC

5" 10W Coaxial Round Metal Ceiling Loudspeaker 13421-15-DC

6" 10W Coaxial Round Metal Ceiling Loudspeaker 13421-16-DC

Coaxial Range

The Coaxial range of ceiling loudspeakers employs a two-way speaker system comprising a bass mid-range driver and separate tweeter. The bass response has been extended to give depth and warmth to both music and vocals.

This range of Coaxial ceiling loudspeakers has all the aesthetic and installation advantages of our standard ceiling loudspeakers, with the addition of extended bass and top end performance. These units are ideally suited for applications that require a superior high quality performance such as shops, restaurants, hotels, pubs etc.