

CLASSIC

HVAC DUCT MAIN SPEAKER

MODEL LE035M6



FUNCTION

Lencore's Model # LE035M6-RCVC is typically used HVAC duct when eavesdropping is an issue. This unit is installed within the HVAC duct to achieve speech privacy. The unit consists of an individual self-contained noise generator, audio amplifier, and loudspeaker in a damped metal enclosure, powered by 16/18 volts AC and are capable of driving two secondary models.

Each main unit is solid state and consists of a CMOS/ MSI digital random sequence noise generator, electronic amplifier and filter for active spectrum shaping, and is equipped with a 10-step volume control plus an additional continuous volume control. Range of sound level: 56-86 dBA (measured at 1.5 feet from speaker). Additionally contained is a continuous and completely separate volume control for music/paging.

The masking system can be uniquely adjusted to suit a variety of standard and non-standard ceiling conditions by making adjustments to the amplitude and spectra shapes. This adjustment can be made in increments of +/- 1/2 dB. In addition, the system has the adjustment capability to provide the most unobtrusive sound while obtaining the maximum speech privacy that meets ASTM E-1130 standards for speech privacy and sound uniformity. The spectrum shape adjustment ranges from 1dB at 125 Hz to 20 dB at 8,000 Hz (typical)

WIRE REQUIREMENT

+18 gauge, plenum rated non-shielded 2, 4 or 6 conductor (depending on application)

Note: Lencore HVAC Duct unit can be installed in square and rectangular HVAC ducts and are not designed for rounded ducts.

DIMENSIONS

- + Height – 6"
- + Diameter – 6"
- + Weight - 3lbs

SPEAKER ENCLOSURE

- + Aluminum Housing
- + Galvanized perforated grill
- + Lightweight mounting chain

LOUDSPEAKER

- + 5-inch inch-wide dispersion
- + Power Rating: 10 watts RMS
- + Frequency Response: 50-12,000 Hz
- + Impedance: 16 Ohms
- + Resonance: 82 Hz
- + Magnet Weight: 10 oz.
- + Magnet Structure Weight: 26 oz.
- + Cone: Formed Fiber
- + Cone Suspension: High Compliance Foam
- + Voice Coil: 1-inch diameter
- + Voice Coil Form: Anodized Aluminum

GENERAL SPECIFICATIONS

- + Power Requirement: 16v/18v AC, 60 Hz at 50mA (typical no page)
- + Output Adjustment: 15dB step-volume control
- + System can be tuned to +/- 1/2 dB
- + Additional continuous control (56-86 dBA total), plus a central volume control that can control up to 50 masters for an additional attenuation of 15dB