

CLASSIC SPEAKERS

MODEL LM6



FUNCTION

Lencore's Classic Sound Masking unit consists of an individual self-contained noise generator, audio amplifier and loudspeaker in a damped metal enclosure, powered by 16/18 volts AC.

The main unit (LM6) is capable of driving two secondary models (LS6).

Secondary units are connected to a main unit that is solid state and contains a CMOS/ MSI digital random sequence noise generator and filter for active spectrum shaping. All units are equipped with a 10-step volume control plus an additional continuous volume control.

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 $\pm 1/2$ 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 20dB at 8,000 Hz (typical). Lencore's Classic System can incorporate a high-quality paging and music system to handle all call paging, zoned paging, voice over IP, paging through the phone system, security and life safety paging.

Lencore's Classic system can work in conjunction with Lencore's SPECTM™ software program which serves as a diagnostic and planning tool for sound masking and paging systems to qualify and analyze the acoustical performance levels of your space, enabling a factbased approach to predicting spatial and temporal uniformity of sound for sound masking.

TYPICAL APPLICATION FOR THIS SERIES

For use in traditional plenum space. Available height 6" and 4" models. All Lencore Sound Masking Systems are custom designed to meet local codes and to fit a variety of site conditions and applications in:

- + Open Plan
- + Closed Plan
- + Retrofit
- + New Construction

PRODUCT SHEET & SPECIFICATIONS

CLASSIC SPEAKERS

MODEL LM6

ENCLOSURE

- + Aluminum Housing
- + Galvanized Perforated Grill
- + Lightweight Mounting Chain

SPEAKER MODEL DIMENSIONS

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

LOUDSPEAKER

- + 5-inch - wide dispersion
- + Power Rating: 10 watts
- + Frequency Response: 60-13,000 Hz
- + Impedance: 16 Ohms
- + Resonance: 85 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

- + Paging Input: 25v RMS at 12.5mW (50kOhms)
- + Power Requirement: 16v/18v AC, 60 Hz at 50mA (typical no page)
- + With Paging: Up to 200mA
- + Output Adjustment: 15dB step-volume control
- + 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
- + System can be tuned to +/- ½ dB

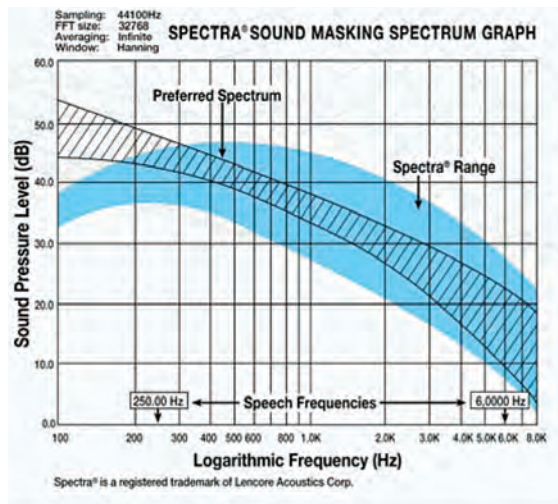
RANGE OF SOUND LEVEL

- + LM6: 56-86 dBA (measured at 1.5' from speaker)
- + LM6-RCVC/ LM6-CVC: 41-86 dBA (measured at 1.5' from speaker)
- + LS6: 56-86 dBA (measured at 1.5' from speaker)

WIRE REQUIREMENT

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

SPECTRUM GRAPH



The Spectrum Graph above (measured in A-scale) depicts the range of spectra attained with standard fiberglass or mineral ceiling tile. The lower spectra provides for the most unobtrusive sound, while the upper spectra provides for maximum speech privacy.

AGENCY LISTINGS

- + UL 2043: Approved for use in air-handling spaces. US and Canada.
- + UL 813: Approved for Commercial Audio and Radio equipment, systems and accessories. US and Canada.

