

# SPECTRA®

## PRODUCT SHEET & SPECIFICATIONS

### PRO PACKS SYSTEM™

Pro Packs™ is an out-of-the-box sound masking solution designed for small projects. Pro Packs™ consists of a variety of components, when installed properly, can provide masking, paging and audio in increments of 1,800 square feet. The package consists of: (1) LM6-RCVC, (2) LM6 Main Speakers, (5) LS6 Secondary Speakers and (1) 16P40 Step-Down Plug-In Transformer. Following is the data for each individual component.



### REMOTE CENTRAL VOLUME CONTROL UNIT MODEL LM6-RCVC



The Lencore Spectra® sound masking LM6-RCVC unit operates as a central volume control from which global volume adjustments can be made remotely for up to 150 masking units and covering up to 33,000 square feet system-wide. The unit consists of an individual self-contained noise generator, audio amplifier, and loudspeaker in a damped aluminum enclosure, powered by 16/18 volts AC and is capable of driving one secondary model in addition to the aforementioned.

#### – ENCLOSURE:

- + Aluminum Housing
- + Galvanized Perforated Grill
- + Lightweight Mounting Chain
- + Height: 6" LM6-RCVC
- + Width: 6" LM6-RCVC
- + Weight: 3 lbs. LM6-RCVC

#### – LOUDSPEAKER:

- + 5-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:

- + 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

#### – WIRE REQUIREMENT:

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

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### PLENUM MAIN SERIES MODEL LM6

The Lencore Spectra® Sound Masking LM6 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.



#### – ENCLOSURE:

- + Aluminum Housing
- + Galvanized Perforated Grill
- + Lightweight Mounting Chain
- + Height: 6"
- + Diameter: 6"
- + Weight: 3 lbs.

#### – LOUDSPEAKER:

- + 5-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:

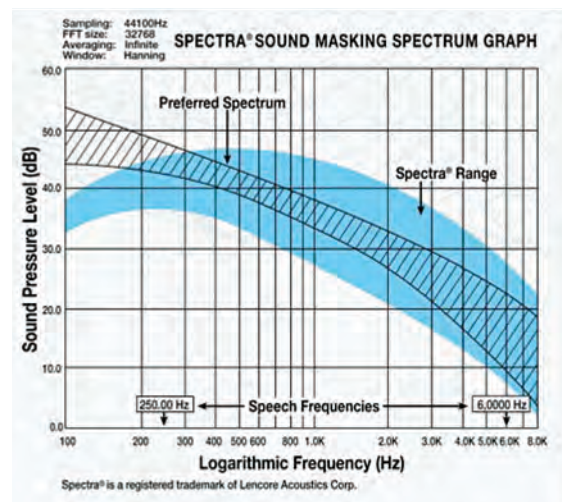
- + Paging Input: 25v RMS at 12.5mW (50kOhms)
- + Power Requirement: 16v/18v AC, 60 Hz at 50mA (typical no page)
- + With Paging: Up to 200mA
- + Output Adjustment: 15dB step-volume control
- + Additional continuous control (56-86 dBA total), plus a central volume control that can control up to 50 masters for an additional attenuation of 15dB
- + System can be tuned to +/- 1/2 dB

#### – WIRE REQUIREMENT:

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

Masking/Paging Units are UL Listed for use in air handling spaces

#### – SPECTRUM GRAPH



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### PLENUM SECONDARY SERIES MODEL LS6

Lencore Spectra® Sound Masking LS6 plenum secondary model duplicates the output of the main unit Model LM6. Secondary units incorporate a high-quality custom driver within a damped metal enclosure.



#### – ENCLOSURE:

- + Aluminum Housing
- + Galvanized Perforated Grill
- + Lightweight Mounting Chain
- + Height: 6"
- + Diameter: 6"
- + Weight: 3 lbs.

#### – LOUDSPEAKER:

- + 5-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 WITH MAIN OR CENTRAL VOLUME CONTROL UNITS:

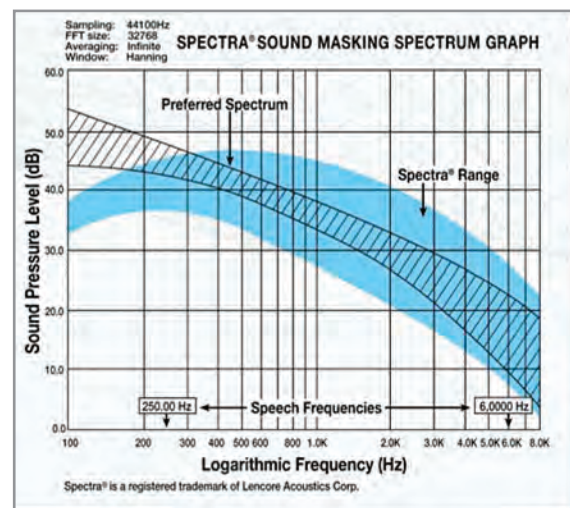
- + Paging Input: 25v RMS at 12.5mW (50kOhms)
- + Power Requirement: 16v/18v AC, 60 Hz at 50mA (typical no page)
- + With Paging: Up to 200mA
- + Output Adjustment: 15dB step-volume control
- + Additional continuous control (56-86 dBA total), plus a central volume control that can control up to 50 masters for an additional attenuation of 15dB
- + System can be tuned to +/- 1/2 dB

#### – WIRE REQUIREMENT:

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

Masking/Paging Units are UL Listed for use in air handling spaces

#### – SPECTRUM GRAPH





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### STEP-DOWN TRANSFORMERS MODEL 16P40



#### – GENERAL SPECIFICATIONS:

- + 16V/40VA
- + Size: 2 ½" X 3 3/8" X 2"
- + Power Rating: 40VA
- + Power Requirement: 120v AC, 60 Hz

The step-down transformers provided by Lencore are industry listed by UL and/or CSA for electrical safety.

For masking only, Model # 40T-16/16P40 transformer can handle up to 33 masking units. Where paging is incorporated, each transformer handles approximately 16 masking units.

Our larger transformer, Model # 95T-16 can handle up to 78 masking units. Where paging is incorporated, each transformer handles approximately 33 masking units.

The transformers step down from 120 AC voltage to 16v AC voltage.

Four 40 T-16 models can be attached to a standard junction box by punching through the knockout holes and screwing in the transformer(s). One 95 T-16 model can be attached to a standard junction box.

Please note: It is recommended that final hookup of transformer to building power always be performed by an electrician (For 40T-16 & 95T-16 only).

#### OTHER SYSTEMS ALSO AVAILABLE

Spectra i.Net™ (Networked)

**In-plenum and Direct Field**

**All are available with paging/music.**