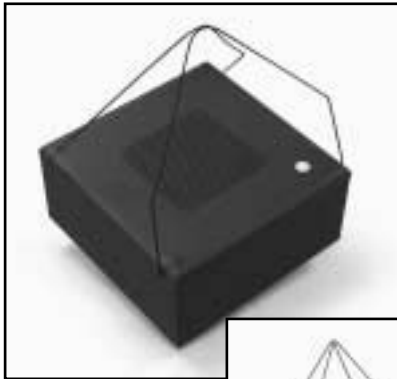


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## SOUNDMASKING LOUDSPEAKER ASSEMBLY



**AVLM1000 Series**  
(Suspension hangers attached for upward sound dispersion)



**AVLM1000 Series**  
(input panel and top selector switch)



**AVLM1000 Series**  
(Suspension hangers attached for horizontal sound dispersion)

### FEATURES

- Pre-assembled unit includes 8" dia. loudspeaker, transformer, enclosure, baffle and mounting hardware
- Labor-saving hardware package – complete with new snap hanger assembly, allows quick and easy installation
- Innovative input panel includes combination knock-out and strain relief connector to accommodate flexible or rigid conduit
- Design enables upward or downward horizontal sound dispersion
- 734 cubic inch enclosure for extended low frequency response
- Black epoxy finish blends with open ceiling plans
- Suitable for use above suspended ceiling systems
- UL Listing pending

### GENERAL DESCRIPTION

With a good majority of America's workplaces having adopted an open office plan, favoring a labyrinth of cubicles over traditional closed offices, conversational privacy has become an increasingly sensitive issue. A properly designed sound masking system can significantly increase speech privacy and improve the overall work environment.

The new M1000 masking speaker assembly is designed to accurately reproduce the needed spectrum of masking signal into the plenum space. The innovative 734 cubic inch square enclosure ensures ample low frequency response. A specially designed 8" dual cone loudspeaker is included in the package. A high efficiency 70.7V internal transformer is coupled to an external selector switch for easy system tuning. For more precise adjustments, a wide selection of wattage taps ranging from .25 watt to 4 watts are provided.

The exclusive AVLELEC EZ hang brackets simplify installation. This innovative suspension system utilizes (2) collapsible galvanized hangers configured to allow quick upward or side firing installation. The hangers are factory-installed on the unit and fold flat for shipping. To meet most any local code requirement, the M1000 includes an innovative cover containing both knockouts and a strain relief. This system will allow the use of rigid or flexible conduit (if required) and easily accommodates "through" connections on the removable plate. To fit continually shrinking construction budgets, the M1000 is very aggressively priced.

### ARCHITECT AND ENGINEER SPECIFICATIONS

Sound masking assembly shall be AVLELEC Sound Model M1000. Unit shall contain an 8" dia. Loudspeaker equipped with a 70.7 volt transformer, an enclosure, baffle, and related mounting hardware. It shall be factory assembled, wired and ready for installation. Model shall include external tap selector switch with .25, .5, 1, 2, and 4 watt power taps clearly identified. Suitable strain relief shall be installed to protect hook-up leads. Provisions on input panel also included to facilitate up to 1/2" conduit. The CRS enclosure shall measure 11 1/8" (243 mm) L x 11 1/8" (243 mm) W x 5 1/2" (140 mm) H and have a volume of 734 cu.in. (0.012 m3). It shall include fiberglass material to further dampen the enclosure. Baffle shall be a sturdy steel one-piece CRS grille measuring 11 1/8" (243 mm) L x 11 1/8" (243 mm) W. Grille shall have a perforated loudspeaker opening. Baffle and enclosure shall be finished in textured black epoxy. Assembly shall include a dual suspension hanger system which fastens via holes provided on the enclosure. Hangers shall be adjusted for (upward, downward or horizontal \_\_\_\_\_ radiation.)

### SPECIFICATIONS

MODEL	LOUDSPEAKER	MAGNET WEIGHT	TRANSFORMER TAPS	ENCLOSURE		SOUND DISPERSION	WEIGHT
				VOLUME	DIMENSIONS		
M1000	8" Dual Cone	10 oz. (260g)	.25, .5, 1 2 and 4	734 Cubic in.	11 1/8" L x 11 1/8" W x 5 1/2" H (243 x 243 x 140mm)	Upward, Downward Horizontal	9 Lbs. 3.4 kg.

*Specifications subject to change without notice*

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## STEP 1

Remove M1000 from package via hangers provided. Hangers are factory installed to facilitate mounting of the M1000 for upward sound dispersion, Figure 1. This dispersion configuration is the most popular and most effective.

If horizontal (side firing) dispersion is required, the hangers may be re-located as shown in Figure 2.

If down firing dispersion is required, the hangers may be relocated as shown in Figure 3.

## STEP 2

Install the M1000 per Figure 1, 2 or 3, using hanger wire (not included).

**NOTE:** Code requirements in many areas require the use of #12 suspension cable for commercial applications. Check your local codes before installing the M1000.

## STEP 3

Terminate service loop to the to the amplifier output line (black is negative, red is positive) – see Figure 4.

**NOTE:** Strain relief is not designed to accommodate conduit. Use approved terminations through the knock-outs provided on the M1000 cover plate when conduit is used.

## STEP 4

Set tap selector switch to desired power setting.

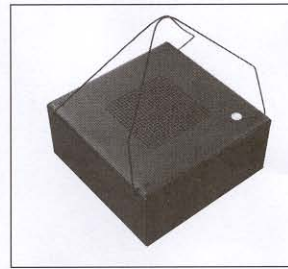


Figure 1  
M1000 Shown w/hangers located as configured from factory for Upward sound dispersion

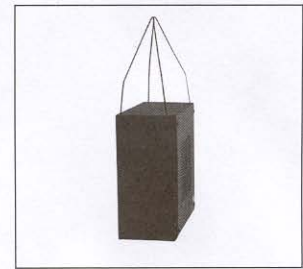


Figure 2  
M1000 Shown w/hangers configured for Horizontal sound dispersion

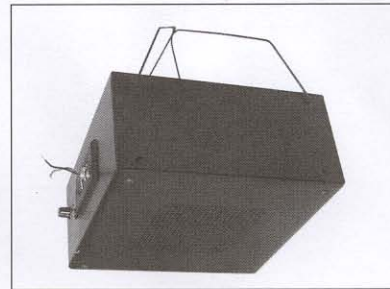
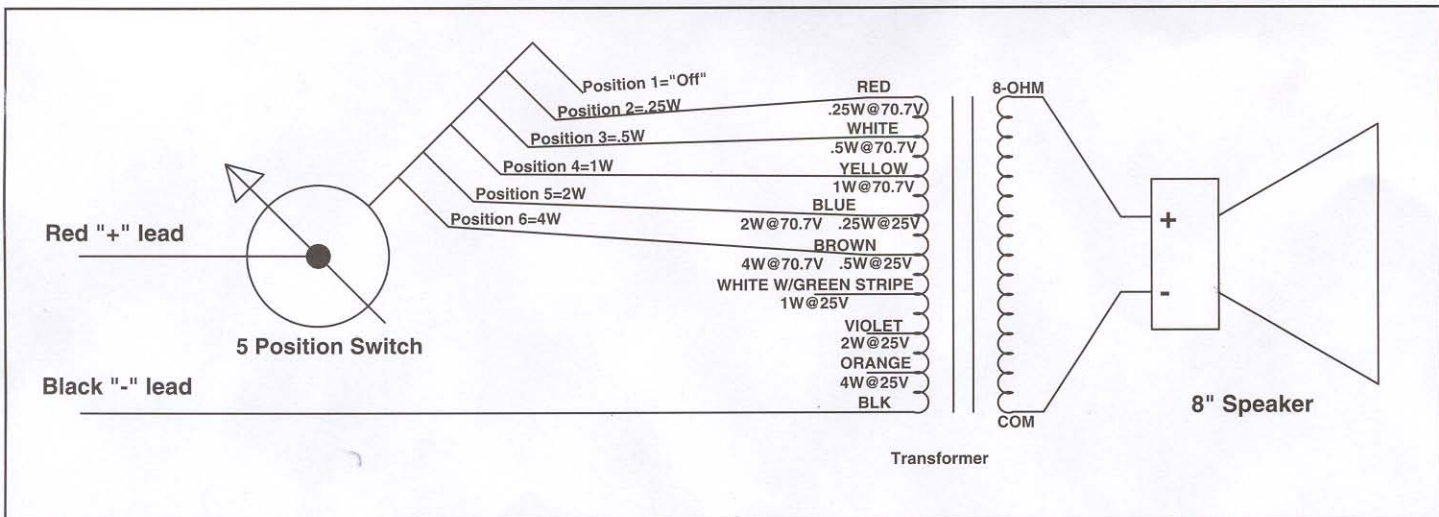


Figure 3  
M1000 Shown w/hangers configured for Downward sound dispersion



Figure 4

## M1000 WIRING BLOCK DIAGRAM



## SPECIFICATIONS

MODEL	LOUDSPEAKER	MAGNET WEIGHT	SENSITIVITY	FREQUENCY RESPONSE	TRANSFORMER TAPS @ 70.7V	ENCLOSURE		WEIGHT
						DIMENSIONS	VOLUME	
M1000	8" (203mm) Dual Cone	10oz. (260g)	92dB 1W/1M	150Hz - 6kHz (±3dB) 120Hz - 6.5kHz (±5dB)	.25, .5, 1, 2, 4	11 $\frac{1}{8}$ "L x 11 $\frac{1}{8}$ "W x 5 $\frac{1}{2}$ "H (294 x 294 x 140mm)	734 Cubic in.	9lbs. (3.4kg.)