

Model: SM810-series

# Sound-masking Speaker Assembly

## Description:

A sound masking system helps to provide greater conversational privacy and productivity in an open-office environment by adding noise and shaping the signal to mask speech. The noise signal is fed from a noise generator with a built-in or separate amplifier to sound masking speakers that are positioned out-of-view above the ceiling tiles. The SM810-series of soundmasking speakers are shipped completely assembled for fast installation in suspended applications. The series includes a 15W speaker with a factory-wired 70V-5W transformer mounted within an acoustic-lined 700 cu.in. backbox with perforated grille, pre-installed wire hangers and separate 4' chain with S-hook. The economical, installer-friendly system features externally accessible color-coded speaker leads exiting the backbox through a strain relief clamp. The system backbox is finished in black powder epoxy. Includes an externally accessible, six-position rotary switch with knob adjustment to provide a convenient method of changing transformer taps. The rotary switch is particularly useful as system needs change.

## Features

- Ships completely assembled and ready-to-install.
- Speaker: 8", 15W power rating.
- Transformer: taps at 5, 2, 1, .5, .25W @ 70V
- Acoustic-lined 700 cu.in. backbox with perforated grille, externally accessible leads.
- Includes wire hanger, S-hooks and chain. Wire hangers promote fast, trouble-free installation. Pre-mounted hanger is rigid, plated wire for stable, kink-free, single-point suspension from the structural deck using the "S" hook and 4' chain provided. Wire hangers are factory-mounted for upward dispersion (can change to downward or sideways sound projection to meet application requirements).

## Optional:

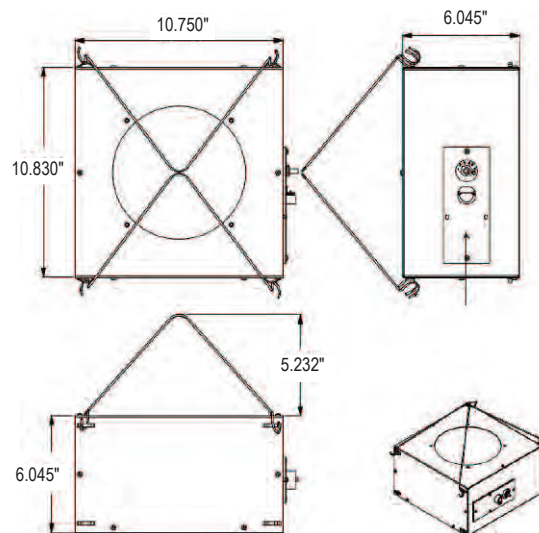
- Model SM810RS includes a rotary switch for knob adjustment of 70V transformer taps.

## A & E Specifications:

The sound masking speaker assembly for suspended ceiling installations shall be Lowell model \_\_\_\_\_. The assembly shall include a speaker with factory-wired transformer mounted within a 700 cu.in. acoustic backbox with perforated grille, externally accessible speaker leads, attached wire hanger and separate 4' chain. The assembly speaker shall be an 8" dual cone with a power rating of 15W. The wired transformer shall be 70V with primary taps at 5, 2, 1, 0.5, and 0.25 watts. Speaker leads shall exit the backbox through a strain relief clamp. The backbox shall be welded steel with an undercoating to eliminate acoustic and metallic resonance. It shall be lined with 1-1/2" thick acoustical batting to further eliminate internal reflections. Suspension mounting shall be accomplished by connecting the "S" hook and 4' chain to the pre-installed wire hangers. Wire hangers shall be factory-mounted for upward sound dispersion and may be easily re-mounted for downward dispersion using holes provided. (Model SM810RS: Assembly shall include a factory mounted, six-position rotary switch with a knob on the outside of the backbox for selection of transformer taps.)



Model SM810RS (shown here) includes a rotary switch to adjust transformer taps. The SM810 speaker assembly includes a 700 cu.in. acoustic-lined backbox with perforated grille area, 8" 15W dual-cone speaker and pre-mounted wire hanger with chain and S-hooks for fast installation.



Model SM810RS includes a rotary switch.

Model No.	Speaker No.	Speaker Type	Power	Transformer Taps	Backbox Volume	Dispersion Angle	Switch
SM810	810	8" Dual cone (10oz.)	15W	70V: 5, 2, 1, .5, .25W	700 cu.in.	up, down or sideways	-----
SM810RS	810	8" Dual cone (10oz.)	15W	70V: 5, 2, 1, .5, .25W	700 cu.in.	up, down or sideways	Rotary