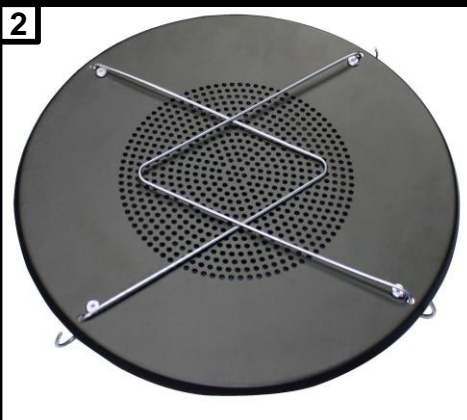


Electrical and Acoustical Specifications

Model Number	Model Type	Driver Type	Frequency Response	Sensitivity (70V/1W/1M)	Dispersion (-6dB@2kHz Octave)	Transformer Taps Switch
SM805A	Black With Hangers	#805 8" Dual Cone	183Hz-6.7kHz ± 7dB	95.6dB	110 Degrees Conical	1/4W @ 70V 1/2W @ 70V 1W @ 70V 2W @ 70V 4W @ 70V "Off" Switch Position Is Also Available



Design Note: Sound masking speakers are typically mounted above the finished lay-in tile ceiling in the plenum space. In installations where the plenum space is not taller than 6', the sound masking speakers are installed with the bottom of the enclosure roughly 1' above the tile ceiling with the speaker aiming upward so the masking noise bounces off of the slab or deck above. When the plenum space is taller than 6', use the SM810A masking speaker instead because the SM810A can be hung 6' above the finished ceiling aiming downward. The SM805A masking speaker hangers have been designed to hang the speaker only in the upward firing orientation. The exact mounting position of the masking speaker dramatically affects the dispersion of the sound masking noise. This installation sheet has been written under the assumption that a qualified consultant or designer has pre-determined the speaker spacing and mounting orientation that will result in the desired sound masking noise coverage.

1 Wire nuts or crimp type connectors (provided by the installer) may be used to make a simple splice to the provided positive red (+) and common black (-) input wires. If desired, a second cable may be spliced in parallel with the incoming line to feed to the next speaker in the string. After making the splice, loosen the Romex connector clamp screws and insert the splice into the masking speaker through the Romex connector. Tighten down the Romex connector clamp to provide strain relief for the input cable or cables. If desired, the input plate may be removed, the wires can be pushed through the Romex connector and plate, the splice can then be made, and the plate can be screwed back in place. The input wiring splice should always be permanently located inside of the masking speaker wiring cavity and not in open space outside of the input plate.

2 When shipped from the factory, the hangers are folded across the front of the grille.

3 Unfold the hangers as shown and use the two (2) "S" hooks and four (4) foot piece of chain (supplied with the masking speaker) to suspend the speaker from the building structure. Hanging point hardware to attach the chain to the building structure will be furnished by the installer. The speaker system must be mounted in accordance with local, state, and federal codes and regulations, and industry standard practices.

A transformer tap selector switch is provided on the side of the masking speaker enclosure. "OFF" and 70V 1/4W, 1/2W, 1W, 2W, and 4W select positions are provided. The transformer tap switch is set at 1W when shipped from the factory. Set the selector switch as specified by the system designer.