

MCM CUSTOM AUDIO

Micro In-Wall Speaker System



Great things really do come in small packages! This ultra compact in-wall speaker system is designed to virtually disappear in any room. A rugged 2" full range driver is mounted in an attractive rectangular faceplate that is the same size as a standard wall switch. In fact, this unit actually mounts in a single gang electrical box or low voltage bracket (both sold separately). When used alone, it is perfect for voice reproduction in public areas, on kiosks or retail displays. It is perfectly suitable to mount these speakers at wall switch or AC outlet height.

Overview

For home theater and music applications, a subwoofer is required, as the low frequency response of this unit drops substantially below 300Hz.

This speaker comes equipped with an attached 66 μ F filter capacitor, which prevents frequencies below 300Hz from reaching the speaker. It is important not to remove this capacitor, as distortion will be created with this speaker attempts to reproduce low frequencies. With this capacitor in place, the overall power capacity of the speaker is greatly increased.

As mentioned above, this speaker mounts exactly the same as any single gang electrical device. It may be mounted in an electrical box or low voltage bracket.

Note: As this is considered a low voltage device, this unit may not be mounted in the same electrical box as AC powered devices. Additionally, when routing speaker wire, it may not pass through the same hole in studs as AC wiring.

Installation

Additionally, running speaker wire and AC wire in a parallel arrangement over long lengths should be avoided. If AC wiring and speaker wiring must cross paths, it is best if they cross at 90 degree angles to each other, thus keeping the contact area between the two at a minimum. These practices are important when keeping potentially induced noise at a minimum.

Attached to the rear of the speaker are two conductors of 22AWG speaker wire. Note that the (-) lead connects directly to the speaker. The (+) lead connects to the capacitor. When installing multiple speakers in a distributed sound system, it is important to keep the +/- wiring consistent to keep the speakers in phase. This will ensure proper imaging and maximum low frequency response.

Connections

Only properly rated CL2 or CL3 in-wall speaker wire should be used in these applications. It is recommended that at least 16AWG wire be used with this product. Additionally, local codes may exist regarding such installations. It is the responsibility of the installer to be aware of said codes when installing this equipment.

Specifications

Power capacity: 10W/20W RMS/peak
Frequency response: 300Hz~20KHz
Sensitivity: 85dB (W/M)
Nominal impedance: 8ohm
Front panel dimensions: 4-5/8" (H) x 3" (W)
Mounting depth: 1-3/4"

Model 50-7907

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