

CM82-EZ

8" COAXIAL IN-CEILING FIRE SIGNALLING SPEAKER

SOUNDTUBE
ENTERTAINMENT



Specifications: CM82-EZ

Mounting hardware included

| | |
|--|--|
| Nominal Impedance | 16 ohm |
| Impedance (min) | 17.2 ohm |
| Sensitivity dB @ 2.83V/1M | 86.0dB |
| Sensitivity dB @ 1W/1M (2) | 89.0dB |
| Frequency Response (± 3 dB) | 92 Hz - 18 kHz |
| Max. Program Power | 128w |
| Max. Continuous Power RMS | 64w |
| Max. Power SPL @ 1 M | 107.0dB |
| Max. SPL @ 3dB distortion | 20w |
| Directivity Factor (Q) (Averaged 100Hz - 10kHz, @ 2kHz) | 5.4 |
| Directivity Index (DI) dB (Averaged 100Hz - 10kHz, @ 2kHz) | 5.5dB |
| Tap Selector | 6 Position rotary switch with transformer bypass |
| 70.7 Volt Transformer Taps | 64w / 107.0dB |
| 100 Volt Transformer Taps (dB) | 64w / 107.0dB |
| 25 Volt Transformer Taps (dB) | 8w / 98.0dB |
| Network Type: Low Pass | 6dB per octave, 1st order |
| Network Type: High Pass | 6dB per octave, 1st order |
| Angle | 105° |
| Colors | Black or white |
| Inputs | 18-Gauge hard wired leads |
| Backcan Diameter | 245.6 mm / 9.66 in |
| Backcan Height | 146.1 mm / 5.75 in |
| Visible Diameter | 298.5 mm / 11.75 in |
| Visible Height | 8.6 mm / 0.33 in |
| Mounting Hole Diameter | 266.7 mm / 10.50 in |
| Weight | 4.1 kg / 9.03 lb |
| Shipping Weight | 4.5 kg / 9.92 lb |
| Packaging | 1 per box |
| Regulatory - UL | Approved 1480 & 2043 |
| Regulatory - CE | Approved |

CM82-EZ

8" COAXIAL IN-CEILING
FIRE SIGNALLING
SPEAKER

SOUNDTUBE
ENTERTAINMENT

Specifications: CM82-EZ

Regulatory - IP

Mounting hardware included

not planned

CM82-EZ

8" COAXIAL IN-CEILING FIRE SIGNALLING SPEAKER

SOUNDTUBE
ENTERTAINMENT

Description

An in-ceiling speaker specifically tailored for use in fire signaling system that delivers the same high quality sound expected of SoundTube speakers. One 8.0 inch (203 mm) polypropylene woofer with butyl rubber surround and one 1.0 inch (25.4 mm) silk dome tweeter. Easy-access five-position tap switch for 25/70.7/100-volt settings allows for easy ordering, stocking and installation. Reduced amplification costs and maximum efficiency 89.0 dB sensitivity, 16 ohm impedance and a sealed enclosure. Superior voice intelligibility with an average coverage angle of 95° (2-10 kHz, independently verified). Incorporates a painted steel grille with rust inhibitor for lasting durability. Adaptable to ceiling thicknesses ranging from 0.04 inch (0.9 mm) to 1.60 inch (40.6 mm). 10 µF capacitor provided on input circuit for use with DC supervision circuits. UL 1480 (UUMW) and 2043, cUL, CE (EMC Directive 89/366/EEC, EN55020, EN55013) approved. Included accessories: tile bridge, UL-listed 0.5-inch conduit clamp, and paint shield.

Patented SoundTube Technologies

SoundTube and MSE Audio Group constantly develop new technologies that enhance audio product performance. SoundTube innovations are protected by multiple U.S. and international patents, which explicitly cover SoundTube dispersion, enclosure and dome technologies. MSE Audio Group actively defends its patents in order to protect SoundTube resellers and end users.

Technical Data and Specification Tools

Technical Data

SoundTube Entertainment strives to provide complete and effective technical information and data to dealers, engineers and designers. All data are available from SoundTube Entertainment or at www.soundtube.com. Technical data and downloads include: EASE™ data - 3-D polar plots. EASE™ Address - 2-D modeling for distributed systems Autodesk® Revit®

software Tech Sheets - Technical information and architectural specs for system engineers SoundTubeSPEC™ - Proprietary speaker placement software

Data Acquisition and Verification

All data for SoundTube speakers are independently collected from and verified by NWAALabs (www.nwaalabs.com) using their proprietary MACH testing system. All data are collected and analyzed according to ASTM, ISO and AES standards using EASRA, TEF and MLSSA. Full balloon data including both phase and magnitude are compiled into a variety of formats including EASE 4.x, GLL and CLF.

Architectural Specifications

No specifications currently.

SoundTube

8005 W. 110th St. | Suite 208
Overland Park, KS 66210
Phone 9136635600
Fax 8556635600
Toll Free 8556635600
<http://soundtube.mseaudio.com>
All SoundTube products come with a 5-year limited warranty.

CM82-EZ

8" COAXIAL IN-CEILING
FIRE SIGNALLING
SPEAKER

SOUNDTUBE
ENTERTAINMENT