

EN54-24 ceiling speaker with metal housing and 6" for 70/100V lines of high quality for speech and background music. Thanks to the reduced dimensions, it can be installed in limited depth false ceilings.

The CH-42TN speaker comes with a fire dome. It is equipped with ceramic terminals and an isolation fuse to avoid that any damage in the unit could cause a general failure in the speaker line which is connected. These characteristics allow us to maintain the integrity and intelligibility of the system in case of evacuation.



General features:

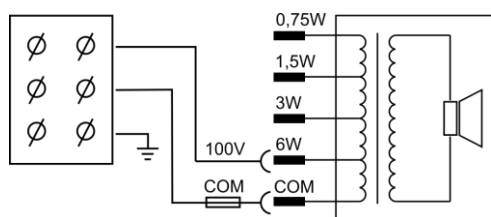
- EN54-24 certified ceiling speaker
- Fire Dome
- Excellent for music and speech.
- Easy installation through included springs.

Technical specifications:

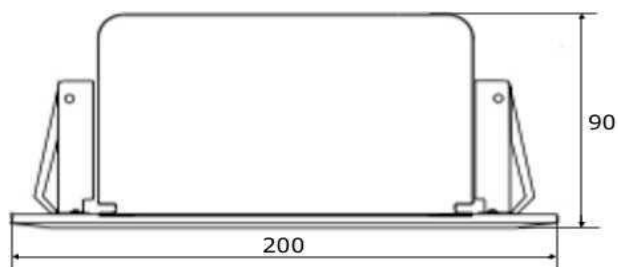
| Model | DS-60TN | | | |
|------------------------------|--|--------|--------|-----------|
| Speaker diameter | 6" | | | |
| Maximum Power | 9W | | | |
| Nominal Power | 6Wrms | | | |
| Connection @ 100 V | 6W / 3W / 1.5W / 0.75W | | | |
| Connection @ 70 V | 3W / 1.5W / 0.75W/ 0.375W | | | |
| SPL (Pmax / 1m) | 97dB +/- 1dB | | | |
| SPL (1W / 1m) | 89dB +/- 1dB | | | |
| SPL (1W / 4m) | 77dB +/- 1dB | | | |
| Frequency Response (- 10 dB) | 100Hz – 20kHz | | | |
| Dispersion (-6 dB) | 500Hz | 1000Hz | 2000Hz | 4000Hz |
| | 180° | 170° | 140°V | 80°H 70°V |
| Nominal voltage | 100V / 70V | | | |
| Nominal impedance | 1.7kΩ / 3.3kΩ / 6.7kΩ / 13kΩ | | | |
| Connection | Ceramic terminal. Max Section 2.5mm ² | | | |
| Thermal fusion | 150° | | | |
| Dimensions | Ø 200mm x 90mm | | | |
| Installation drill | Ø 175mm | | | |
| Colour | White (RAL 9016) / Red (RAL 3000) | | | |
| IP protection | IP44 | | | |
| Net weight | 1kg | | | |

- The reference axis is perpendicular to the center point of the grid
- The reference plane is perpendicular to the center of the reference axis
- The horizontal plane is perpendicular to the center of the reference plane
- Acoustic measurement environment used: Standard acoustic screen in anechoic cham

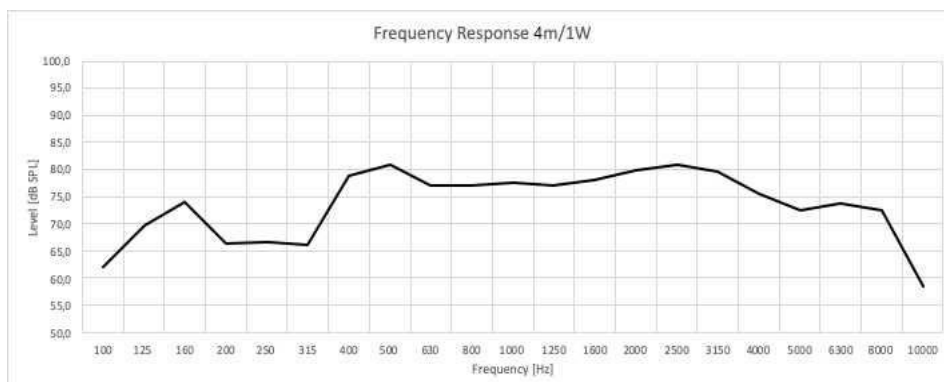
Circuit diagram:



Main mechanical views:



Frequency response:



Installation:

1. Cut a hole in the false ceiling with the proper diameter.
2. If needed, remove one or both caps that give access inside the unit.
3. Make the connection and select the derired tapping power. Protect the installation wire using a PG-13,5 cable guide or a channeling tube (not included with the unit).
4. Lock the cover using the provided screws. Then, compress the anchor springs towards the top side and introduce the unit in the hole made in step 1.

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