

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.

### Features:

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

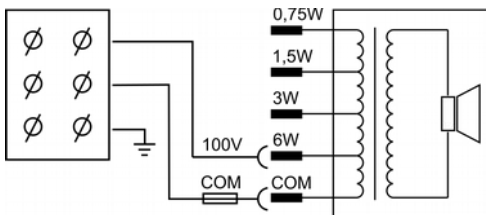


### Technical specifications:

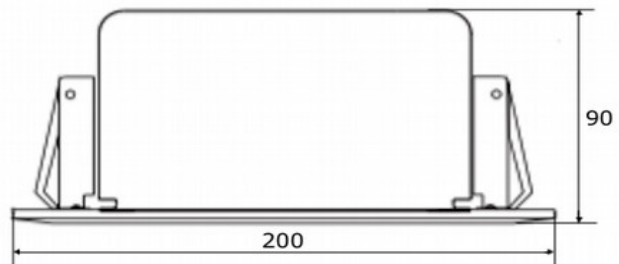
Model	CH-42TN			
Reference	LDACH42TNS02			
Speaker diameter	6"			
Max power	9 W			
Nominal power	6 W rms			
Connection @ 100 V	6 W / 3 W / 1.5 W / 0.75 W			
Connection @ 70 V	3 W / 1.5 W / 0.75 W / 0.375 W			
SPL (Pmax / 1m)	97 dB +/- 1dB			
SPL (1W / 1m)	89 dB +/- 1dB			
SPL (1W / 4m)	77 dB +/- 1dB			
Frequency response (- 10 dB )	100 Hz-20K Hz			
Dispersion (-6 dB )	500Hz	1000 Hz	2000 Hz	4000Hz
	180°	170°	140°V	80°H 70°V
Nominal voltage	100 V / 70 V			
Nominal impedance	1.7 kΩ / 3.3 KΩ / 6.7kΩ / 13kΩ			
Connection	Ceramic terminal. Max section: 2.5mm <sup>2</sup>			
Thermal Fuse	150°			
Dimensions	Φ 200 mm x 90 mm			
Installation drill	Φ 175 mm			
Colour	White (RAL 9016 ) / Red ( RAL 3000)			
IP protection grade	IP44			
Net weight	1 Kg			
Gross weight	1,16 Kg / 12,5Kg (10 units)			
Packaging dimensions	200 x 200 x 110 mm / 560 x 425 x 235 mm (10 units)			

- The reference axis is perpendicular to the central point of the grid.
- The reference plane is perpendicular to the center of the reference axis.
- The horizontal plane is perpendicular to the central point of the reference plane.
- Acoustic environment employed: Normalized acoustic screen in anechoic chamber

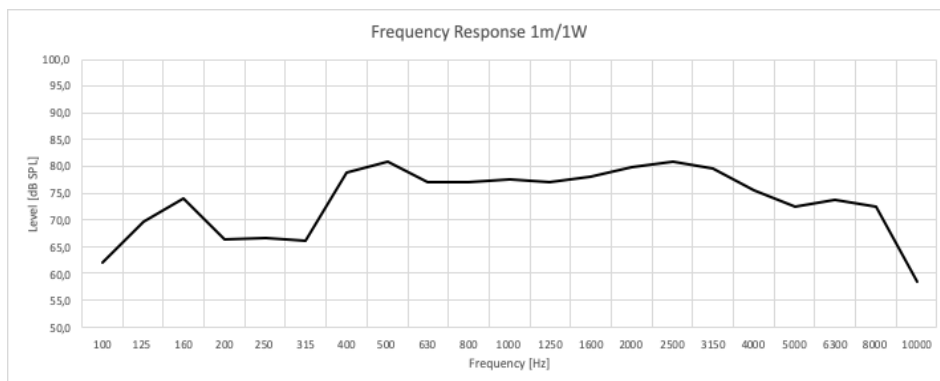
### Circuit diagram:



### 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 desired 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.