

SC-95TN

EN 54-24

SC-95TN is a high performance 24W coaxial ceiling loudspeaker. Its broad frequency range, low distortion, and high sound pressure level ensures the delivery of intelligible voice and superior sound. The stylish low profile and white color design allows it to blend easily with most applications such as hotel, shopping mall, conference room, cinemas, and exhibition hall.

This coaxial ceiling loudspeaker complies with BS 5859 part 8 and EN54 part 24.

Features of the SC-95TN:

- Intelligible voice and superior sound reproduction
- Blend easily with any indoor decorations
- Robust metal housing with fireproof dome
- Simple power setting and wiring
- Complies with EN54 part 24 standard



Technical Specifications:

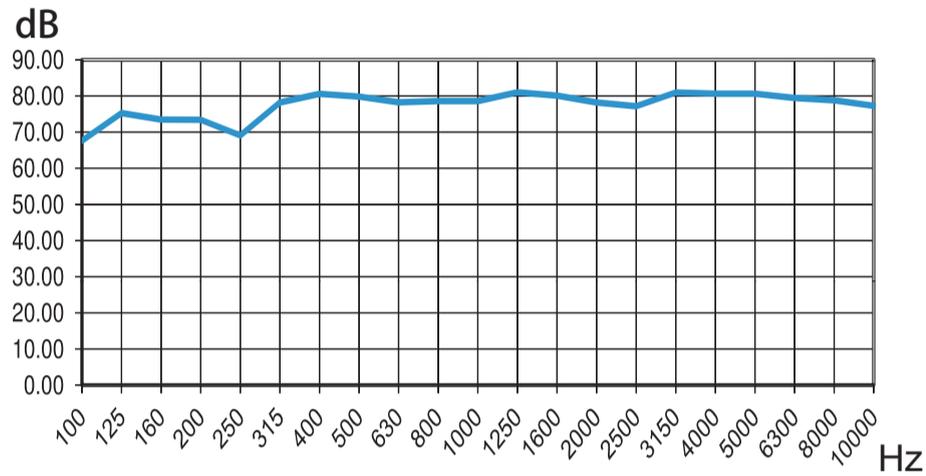
Model	SC-95TN
Max power	36 W
Rated power	24 W
Power tapping	24W / 12 W / 6 W / 3 W / 4Ω
SPL at 1W/40W (100Hz-10kHz)	103dB (24W/1m) 90.5dB (1W/1m) 90.5dB (24W/4m) 78.5dB (1W/4m)
Frequency response (-10 dB)	120 Hz ~ 20 kHz
Rated input voltage	100 V / 70 V
Rated impedance	0.42kΩ/0.83kΩ/1.67kΩ/3.33kΩ/4Ω
Connection	fire-resistant cable
Dimensions	Φ226 mm x 129 mm
Weight	2.25 kg
Color	White(RAL9003)/Red(RAL3000)
Speaker driver	6.5"
Operating temperature	-25 °C to +55 °C

- * The reference axis is perpendicular to the centre point of the front grille
- * The reference plane is perpendicular to the centre of the reference axis
- * The horizontal plane is perpendicular to the centre of the reference plane
- * The spec/data was measured using a standard baffle mounting in an anechoic chamber as described in EN54-24

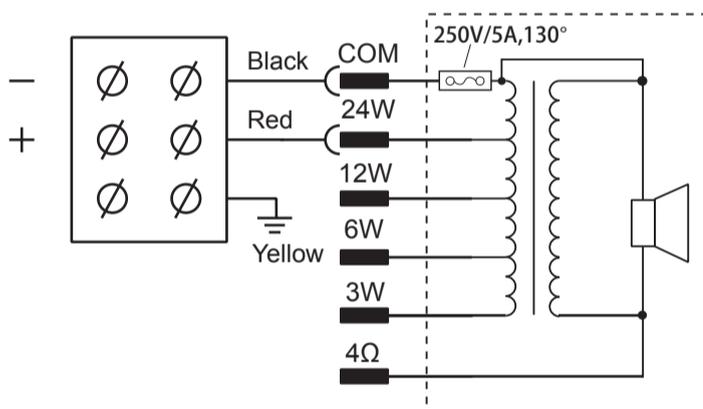
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Frequency response:

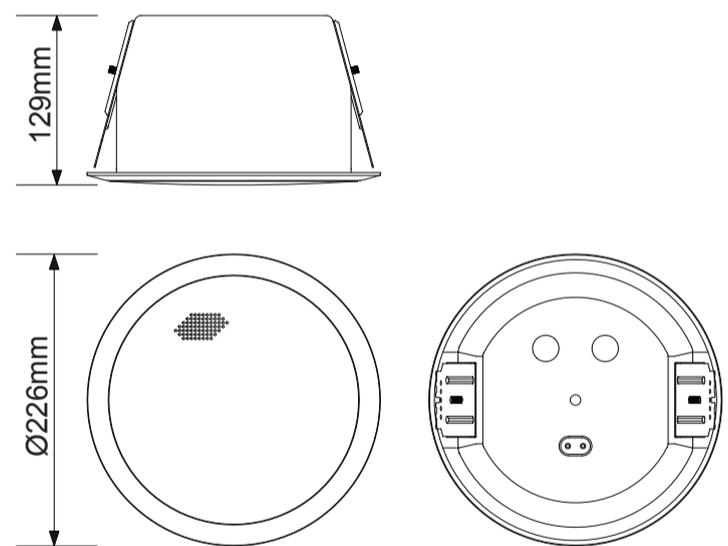
Frequency Response at 100 volt/4m/1w, 1/3 oct smoothing



Circuit Diagram:



Views:



Unit: mm

Dispersion angles:

		Horizontal	Vertical
1/3 oct. pink noise	500Hz	207°	209°
1/3 oct. pink noise	1k Hz	165°	167°
1/3 oct. pink noise	2k Hz	119°	138°
1/3 oct. pink noise	4k Hz	55°	55°

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Installation Instructions and Configuration:

Mounting

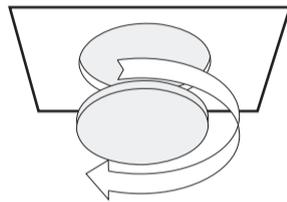
The loudspeaker is designed for ceiling mount with ease. Put the fire dome into the cutting hole. After wiring, mount the loudspeaker into the back dome with springs by following installation instructions.

Power Setting

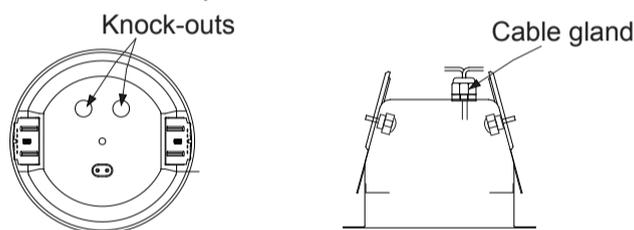
There are five primary taps: 24W, 12W, 6W, 3W and 4 ohm. First, select the suitable tap on the transformer of the loudspeaker. After wiring the cable to the ceramic terminal on the back dome, use the male and female connectors to connect the transformer with the ceramic terminal.

Installation Instructions

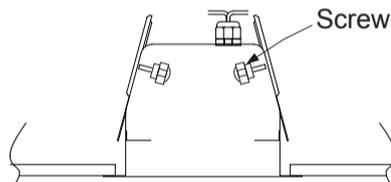
1. Cut out $\Phi 195$ mm hole for the ceiling loudspeaker.



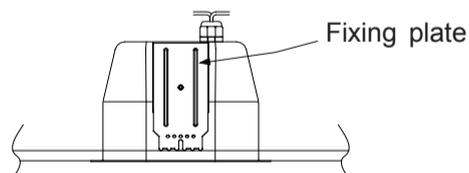
2. According to the requirement, push out one knock-out or two with a screw driver or other tools. Install cable gland through every knock-out that is pushed out.



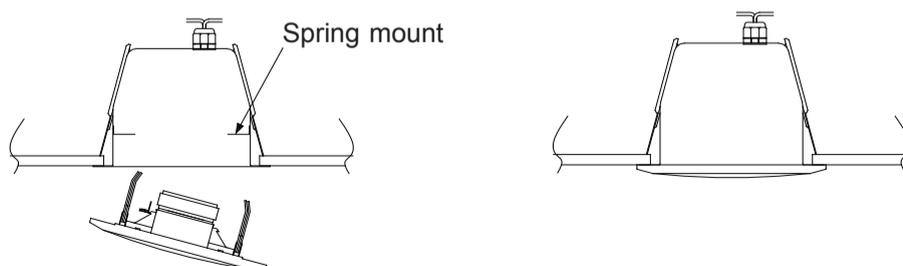
3. Loosen the screw, push the fire dome into the ceiling.



4. Tighten the screw.



5. Attach the spring to the spring mount. And push the speaker into the fire dome.



		LDASC95TNS01 Ceiling Loudspeaker EN54-24 Type A			
Transformer Power Tapping:					
	Red wire plus tapping				Black
100V	24W	12W	6W	3W	4Ω COM
70V	12W	6W	3W	1.5W	
IMP(Ω)	0.42k	0.83k	1.67k	3.33k	4Ω
Other technical data see LDASC95TNS01_M1_V1.1				 0359 18 LDA, Málaga, SPAIN 0359-CPR-00676 DoP No.: CPR-DoP-2018003	