

LDAPCM220TNS01

The PCM-220TN is a 20W high-performance bidirectional projection loudspeaker that complies with EN54-24 for voice alarm.

It offers high quality sound reproduction and intelligible broadcast of voice evacuation messages thanks to its high sound pressure level, low distortion and a broad frequency response range. Its high IP ensures reliable operations over wide temperature and humidity ranges making it ideal for indoor or outdoor applications.

EN 54-24



Features of the LDAPCM-220TNS01:

- Complies with EN54-24 standard
- Excellent sound reproduction
- Intelligible voice broadcasting

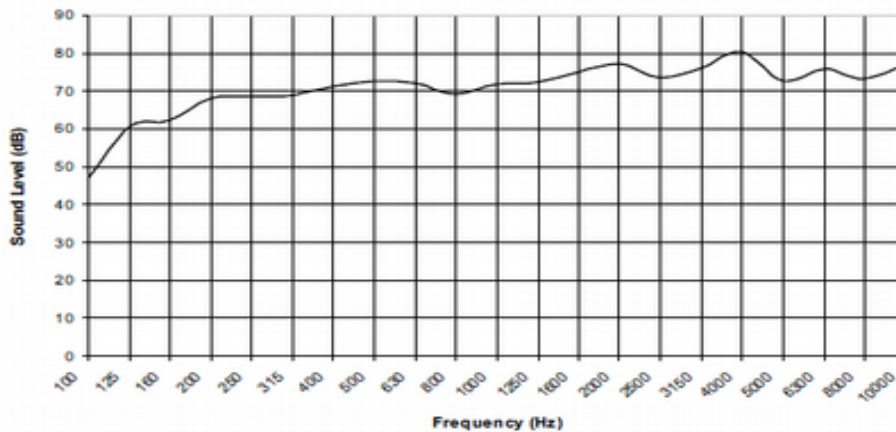
Technical Specifications:

Model	LDAPCM220TNS01
Max power	30 W
Rated power	20 W (10W x 2)
Power tapping	20 W / 10 W / 5 W / 2.5 W @ 100V 10 W / 5 W / 2.5 W / 1.25W @70V
SPL at 20W/1W (100Hz-10kHz)	99 dB (20W/1m) / 87 dB (1W/1m) 87 dB (20W/4m) / 75 dB (1W/4m)
Rated input voltage	100 V / 70 V
Rated impedance	500 Ω / 1 kΩ / 2 kΩ / 4 kΩ
Frequency response	150 Hz ~ 20k Hz (-10 dB)
Connection	Fire-resistant cable
Dimensions	Φ140 mm x195 mm
Weight	3.23 Kg
Color	White (RAL9003)
Speaker size	5.25" x 2
Operating temperature	- 25°C to + 55°C

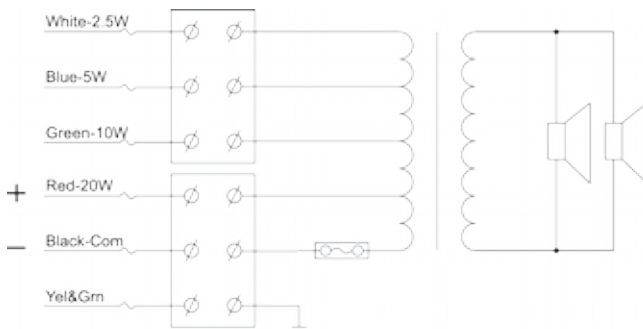
- The reference axis is perpendicular to the centre point of the front grille
- The reference plane is perpendicular to the centre of the reference axis
- The horizontal plane is perpendicular to the centre of the reference plane
- The spec/data was measured using a standard baffle mounting in an anechoic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

LDAPCM220TNS01

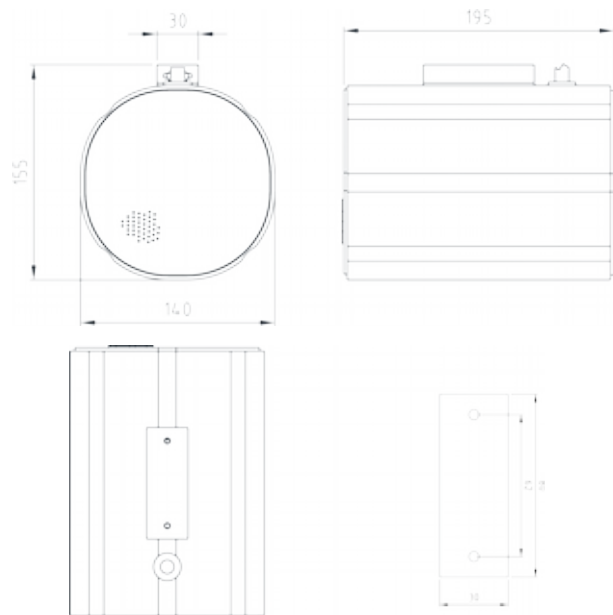
Frequency response:



Circuit Diagram



Views



Dispersion angles

		Horizontal	Vertical
1 oct. Pink noise	500 Hz	128°	127°
1 oct. Pink noise	1 kHz	161°	162°
1 oct. Pink noise	2 kHz	148°	111°
1 oct. Pink noise	4 kHz	59°	56°

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Installation Instructions and Configuration

Mounting

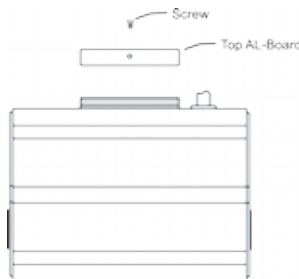
This bidirectional loudspeaker can be directly installed in the ceiling and wall.

Power Settings

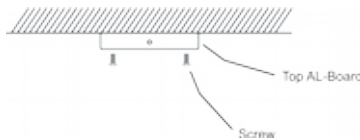
The product comes with a one-meter, fire-resistant six-core cable already attached to the ceramic connector. The cable is a bundle of wires color-coordinated corresponding to the different power taps of the transformer. The cable connector is mounted on the back cover for easy installation.

Installation Instructions

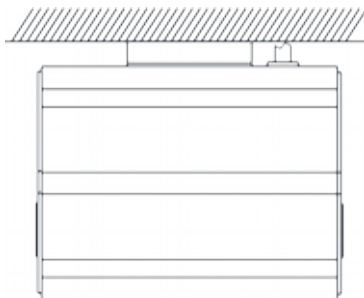
1. Remove loudspeaker from the carton. Use the hex wrench provided to remove the aluminium mounting piece from the bracket.




2. Secure aluminium mounting piece to ceiling or wall with screws.



3. Align and slide the loudspeaker to the aluminium mounting piece and then tighten screws with the hex wrench.






LDAPCM220TNS01
Bidirectional Projection Loudspeaker
EN54- 24 Type B

Transformer Power Tapping:

	Red	Green	Blue	White	Black	Yel&Grn
IMP(Ω)	500	1K	2K	4K		
100V	20W	10W	5W	2.5W	Com	GND
70V	10W	5W	2.5W	1.25W		

Other technical data see LDAPCM220TN_M1_V1



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