

## PCM-220TN

Ref: LDAPCM220TNS01

**EN 54-24**

The PCM-220TN is a 20W high-performance bidirectional projection anti-vandal loudspeaker that complies with EN 54-24 standard 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.



### Features of the PCM-220TN:

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

### Technical Specifications:

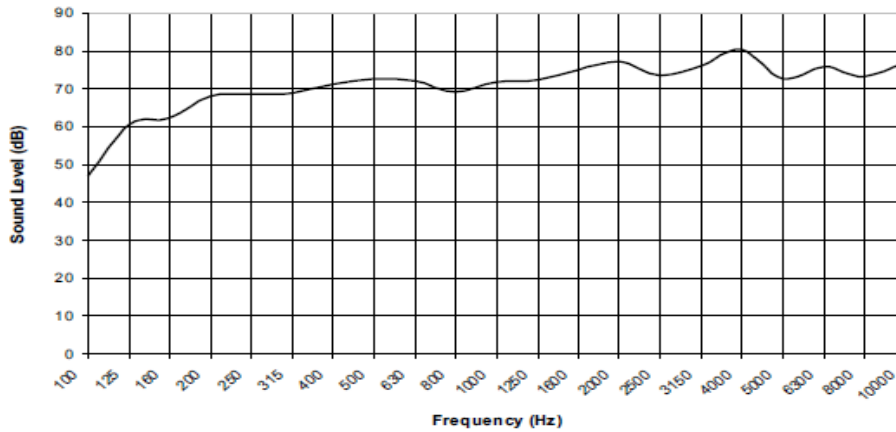
Model	PCM-220TN
<b>Reference</b>	<b>LDAPCM220TNS01</b>
Max power	30 W
Rated power	20 W (10W x 2)
Power tapping	20 W / 10 W / 5 W / 2.5 W @ 100V 10 W / 5 W / 2.5 W / 1.25W @70V
SPL at 20W/1W (100Hz-10kHz)	99 dB (20W/1m) / 87 dB (1W/1m) 87 dB (20W/4m) / 75 dB (1W/4m)
Rated input voltage	100 V / 70 V
Rated 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)
IP protection grade	IP65 (B type according to EN54-24)
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 EN 54-24.

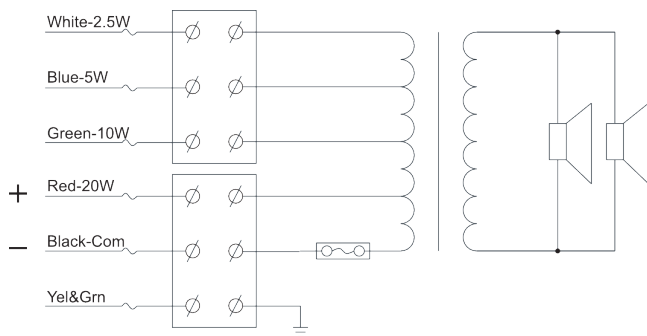
# PCM-220TN

Ref: LDAPCM220TNS01

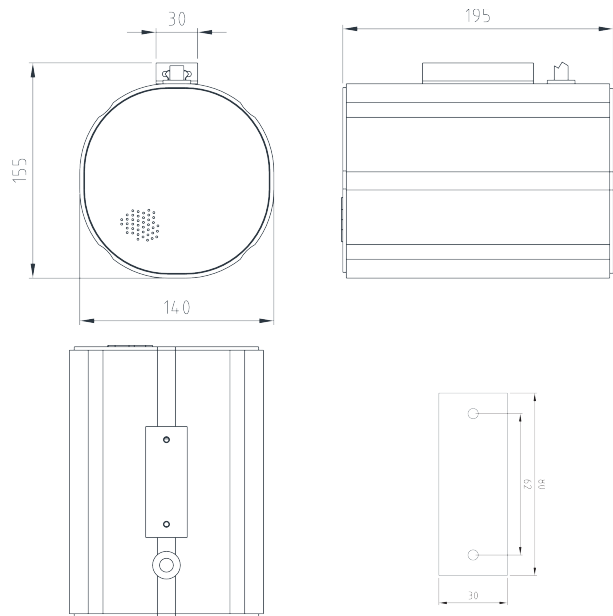
### Frequency response:



### 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°

**Installation Instructions and Configuration**

**Mounting**

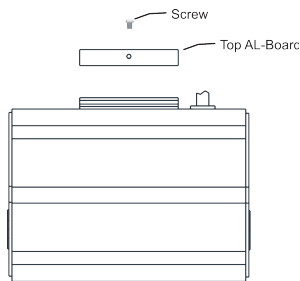
This bidirectional loudspeaker can be directly installed in the ceiling and wall.

**Power Settings**

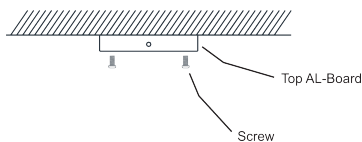
The product comes with a one-meter, fire-resistant six-core cable already attached to the ceramic connector. The cable is a bundle of wires color-coordinated corresponding to the different power taps of the transformer. The cable connector is mounted on the back cover for easy installation.

**Installation Instructions**

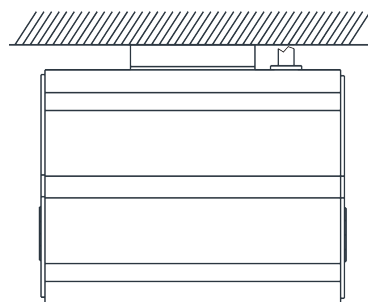
1. Remove loudspeaker from the carton. Use the hex wrench provided to remove the aluminium mounting piece from the bracket.




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

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**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		



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LDA, Málaga, SPAIN  
0359-CPR-00431  
DoP No.: CPR-DoP-2014001

Other technical data see LDAPCM220TN\_M1\_V1