EN-54 24 HORN LOUDSPEAKER

PS-30TN

Ref: LDAPS30TNS02

LDA PS-30TN is a high-performance voice alarm horn loudspeaker certified according to EN54-24 standards. Its high quality and high sound pressure level (SPL) ensure the delivery of intelligible voice. Made of ABS fireproof level UL94-5VB. This loudspeaker is equipped with ceramic blocks and a thermal fuse.

It is perfect for use in outdoor applications and spaces where the climatic conditions are adverse. The stylish design and its light grey color aspect allow it to blend easily with the interior of most applications such as train stations, harbors, factories, campuses, and stadiums.

Features:

- EN54-24 certificate.
- Intelligible voice and superior sound reproduction
- Stylish and modest design that blends easily into any space.
- Made of high-resistant ABS with UL94-5VB fire protection
- Easy mounted on any surface with the U-type regulable bracket provided.
- High sensitivity

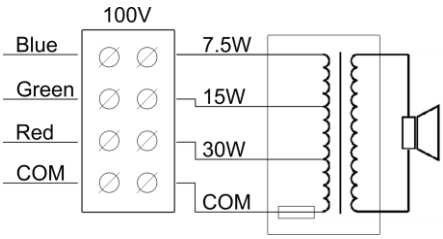
Technical Specifications:

Model	PS-30TN			
Reference	**LDAPS30TNS02**			
Speaker	Compression motor			
Max power	45 W			
Nominal power	30 W rms			
Connection @ 100 V	30 W / 15 W / 7.5 W			
Connection @ 70 V	15 W / 7.5 W / 3.75 W			
SPL (Pmax / 1m)	119 dB +/- 1dB			
SPL (1W / 1m)	101 dB +/- 1dB			
SPL (1W / 4m)	89 dB +/- 1dB			
Frequency response (-10 dB)	100 Hz - 10 KHz			
Dispersion (-6 dB)	500Hz	1000 Hz	2000 Hz	4000Hz
	360º	100º	50º	30º
Nominal voltage	100 V / 70 V			
Nominal impedance	333 Ω / 666 Ω / 1.3kΩ			
Connection	Ceramic terminal. Max section: 2.5mm^2			
Thermal Fuse	115°			
Dimensions	Φ 245 mm x 290 mm			
Color	Grey (RAL 7035)			

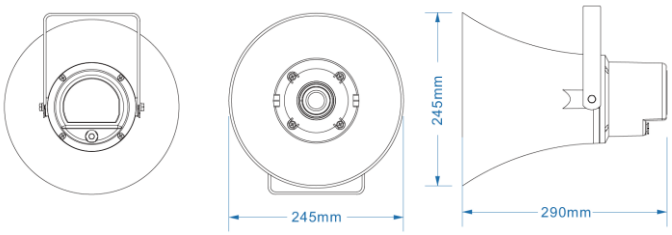
IP protection grade	IP66 (type B according to EN54-24)
Net weight	2,25 Kg
Gross weight	2,3 Kg / 10,65 Kg (4 units)
Packaging dimensions	273 x 272 x 350 mm / 580 x 570 x 380 mm (4 units)

- The reference axis is perpendicular to the speaker's front's central point.
- 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 an anechoic chamber

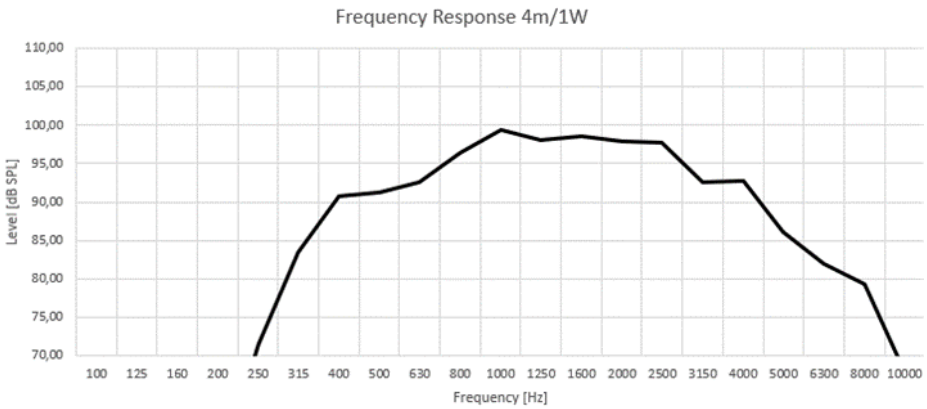
Circuit diagram:



Main mechanical views:



Frecuency response:



Installation:

1. Using the U-type bracket as a template, mark on the wall the drill hole location.
2. Once made the drill hole, screw the loudspeaker at the surface and regulate its inclination.
3. Make the connection and select the desired power.