

PS-30TN

PS-30TN is a high performance 15W horn loudspeaker that complies with EN54-24 for voice alarm.

Its broad frequency range, low distortion. and high sound pressure level ensure the delivery of intelligible voice and high quality sound. with its wide operating range of temperature and humidity, it is suitable for use in extreme outdoor applications. The stylish low profile and light grey color design allows it to blend easily with the interior of most applications such as train stations, harbors, factories, campuses and stadiums.

Features of the PS-30TN:

- Intelligible voice and superior sound reproduction
- Low profile design blends easily into any outdoor applications
- Ergonomic and stylish design
- High-strength UV resistive UL94V0 ABS housing
- EN54 part 24 certified

EN 54-24

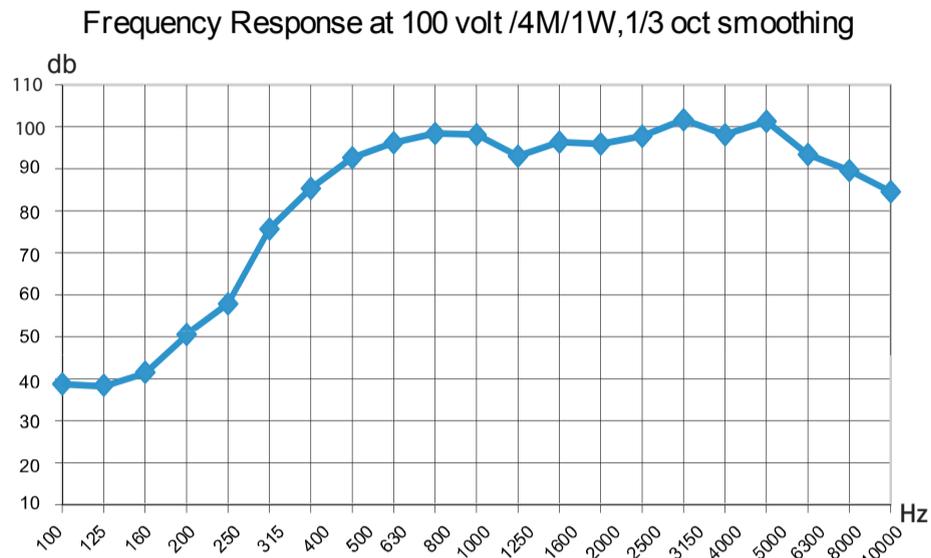


Technical Specifications:

Model	PS-30TN
Max power	25 W
Rated power	15W
Power tapping	15 W / 10 W / 5 W / 8Ω
SPL at 1W/15W (100Hz-10kHz)	117dB (15W/1m) 105dB (1W/1m) 105dB (15W/4m) 92.9 dB (1W/4m)
Frequency response (-10 dB)	300 Hz ~ 16 kHz
Rated input voltage	100 V / 70 V
Rated impedance	667 Ω / 1000 Ω / 2000 Ω
Connection	fire-resistant cable
Dimensions	Ø213x265mm
Weight	2.05Kg
Color	Grey (RAL 7035)
Speaker driver	Compressed driver
Operating temperature	-25°C to +55°C

- * The reference axis is perpendicular to the centre point of the front horn
- * 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

Frequency response:

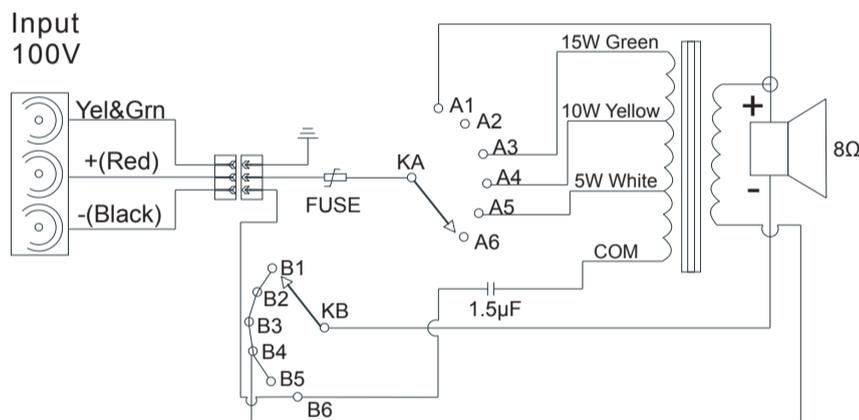


Active equalizer applied Yes:

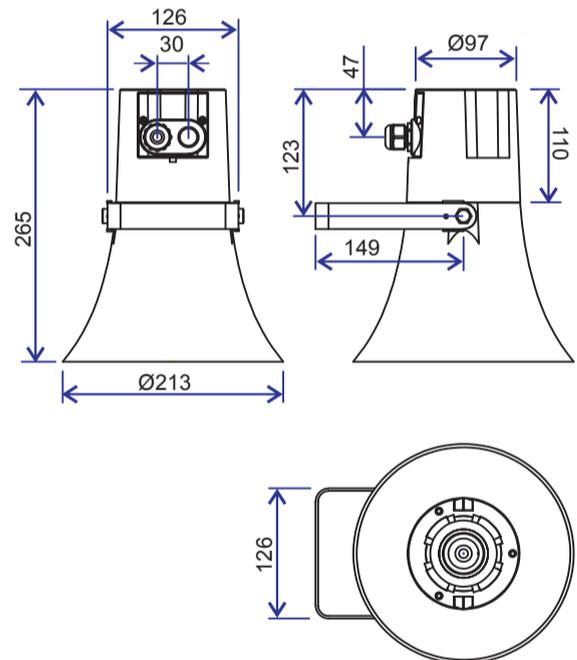
EQ Setting:

+2.5dB @630Hz, +2.5dB @800Hz, -2.5dB @1250Hz, -2.5dB @2500Hz, +8dB @8kHz

Circuit Diagram:



Views:



Unit: mm

Dispersion angles:

		Horizontal	Vertical
1/3 oct. pink noise	500Hz	360 °	360 °
1/3 oct. pink noise	1k Hz	124 °	143 °
1/3 oct. pink noise	2k Hz	58 °	67 °
1/3 oct. pink noise	4k Hz	34 °	37 °

Installation Instructions and Configuration:

Mounting

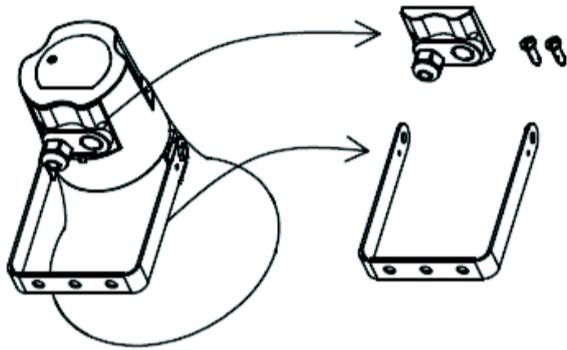
The product can be easily mounted on the wall or column with the U-type bracket provided. The projection angle can be adjusted to maximize the coverage at the intended direction. Secure wires to the clamping screws located on the rear junction box.

Power Setting

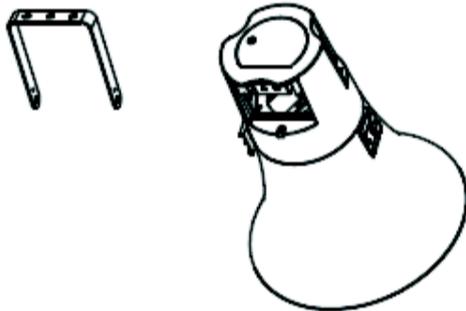
There are four primary taps: 15W, 10W, 5W, and 8Ω. Set the rotary switch to the intended power input after wiring.

Installation Instructions

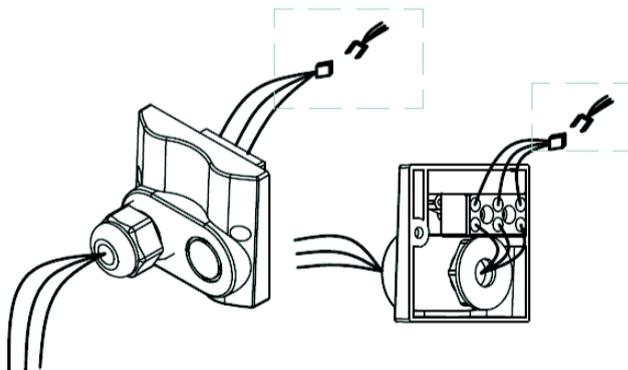
1. Loosen the two screws on the junction box. Remove screw bracket using a hexagonal screwdriver.



2. Mount the bracket into the right position. Connect the loudspeaker to the mounted bracket. Select the intended power tap by adjusting the frequency band.



3. Connect the electric cable to the ceramic terminal block. Connect the male connector from the screw bracket to the female connector from the junction box.



4. Secure screw bracket on the junction box. Adjust angle of the loudspeaker.



LDAPS30TNS01
HORN SPEAKER
EN54- 24 Type B

1	OFF	IMP	
2	5/2.5(W)	2K Ω	 0359 18 LDA, Málaga, SPAIN 0359-CPR-00677 DoP No.: CPR-DoP-2018004
3	10/5(W)	1K Ω	
4	15/7.5(W)	667 Ω	
5	OFF		
6	8 Ω		
	100/70(V)		

Other technical data see LDAPS30TNS01_M1_V1.1