SPON

HORN SPEAKER
Installation Manual



1. Summary

Horn Speaker is a high-power waterproof and corrosion-resistant round large-caliber horn speaker with excellent voice quality and high-efficiency sound transmission. It has a long sound transmission distance and is suitable for stadiums, swimming pools, exhibitions, industrial squares, etc. Also it can be used outdoor all day long.

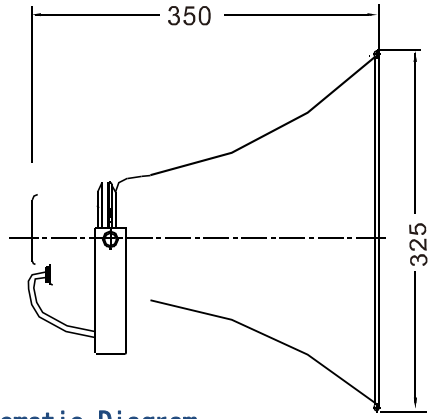
Horn Speaker can be directly connected to the 100V line output. The 100V transformer on the horn loudspeaker is the jumper connector for the primary winding and can be used for different power settings. Users can easily achieve two power options.

2. Specification、Function Components and Parameters

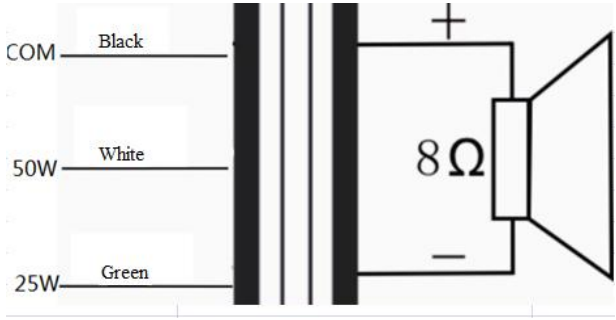
Electricity	Speaker Unit	Waterproof directional speaker
	Max Power	70W
	（PHC）Rated Power	50W
	Sensitivity （1kHz,1 meter）	109dB±3dB
	（-10dB）Effective Frequency Range	380-6.5kHz
	Rated Voltage	100V
	Input Interface	3-Core cable
	Terminal Colour	Black、white、green
Finished Product	Product Dimension	325(L)×325(W)×350(H)mm
	Product Gross Weight	2.58 Kg
	(1Pcs)Product Dimension and Weight	350(L)×350(W)×370 (H)mm 3.2 Kg
	(4Pcs)Product Dimension and Weight	730(L)×370(W)×770(H)mm 15.4Kg
	Installation Method	Screw mounting
Material	Horn Body	Gray aluminum

	Bracket	Steel gray spraying
Environment	Working Temperature	-25℃to+55℃
	Storage Humidity	-40℃to+70℃
	Relative Humidity	< 95%

3. Appearance Dimension Diagram



4. Circuit Schematic Diagram



Wiring description:

Please connect the amplifier output COM and black line, and the power amplifier 100V output need to be connected with the corresponding connection.

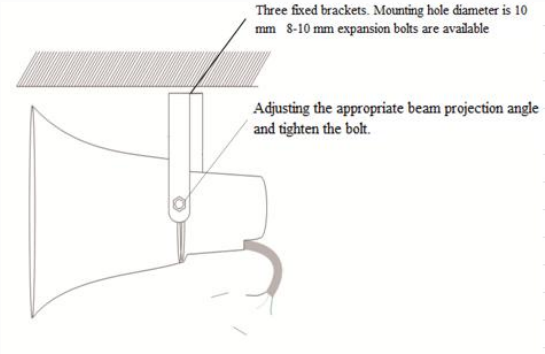
For example:

Use 50W rated power: the power amplifier COM connect with the black line, and the power

amplifier 100V connect with the white line.

Use 25W rated power: the power amplifier COM connect with the black line, and the power amplifier 100V connect with the green line.

5. Installation Diagram



6. Fault Exclude

Fault Phenomena	Fault Reasons and Fault Exclude
Small sound, no sound	Check the horn speaker should be wired correctly, firmly,and no short circuit. If there is power selection, it should be confirmed that the power selection switch has been adjusted to the required position (in addition, the wiring should have a certain margin to avoid damage to the internal wiring of the horn speaker)
Poor sound quality, noise	The power amplifier input signal source can be checked, and the input wire sound transmission connector is selected correctly. In addition, the horn speaker should be fixed firmly, and the fixing may be unstable, which may cause resonance, resulting in poor sound quality.

Product Implementation Standard

Q/JSPTX 003-2024

7. Packing List

Installation Instructions 1pcs

Warranty card and Certificate 1pcs

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