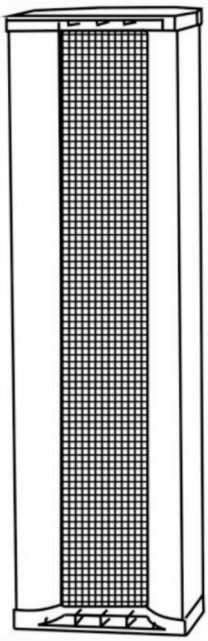
SPON

OUTDOOR WATERPROOF COLUMN

Installation Manual



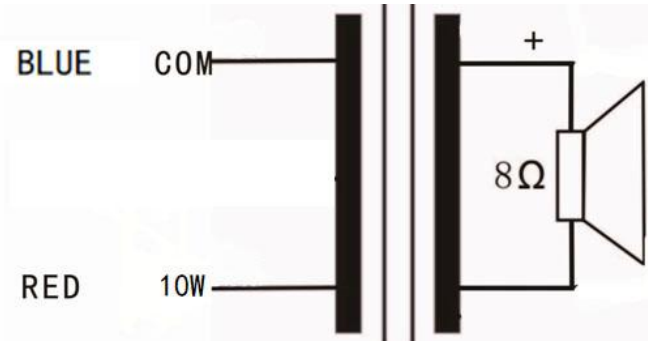
1. Summary

The outdoor waterproof sound column has the real sound reinforcement characteristics for human voice and music. It is made of aluminum alloy material, which is more suitable for outdoor All weather use. Such as tennis court, swimming pool, garden, school playground, market.

2. Specifications, Functional parts, and Parameters

Electricity	Speaker unit	4 inch low pitch column, 2.5 inch hard mask high pitch column
	Max power	15W
	Rated power（PHC）	10W
	Sensitivity（1kHz,1 m）	91dB±3 dB
	Effective frequency response（-10dB）	130-14kHz
	Rated voltage	100V
	Wiring terminal color	Red, Blue,
Finished product	Product size	151(L)×125(W)×295(H)mm
	Product net weight	2.4kg
	installation method	Wall mounted installation with bracket
Material	Mask	Black aluminum paint
	Shell	Champagne or silver aluminum paint
	Top and bottom cover	Champagne or silver ABS paint
Environment	Working temperature	-25℃ to +55℃
	Storage humidity	-40℃ to +70℃
	Relative humidity	< 95%

3. Circuit diagram

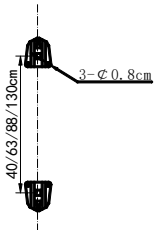


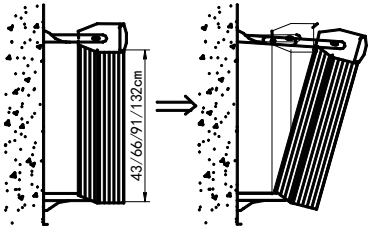
Wiring description

When wiring, the power amplifier output COM shall be connected with the blue wire, and the power amplifier 100V output shall be connected with the connecting wire corresponding to the required power.

If 10W rated power is used, the power amplifier COM shall be connected with the blue wire, and the power amplifier 100V shall be connected with the red wire.

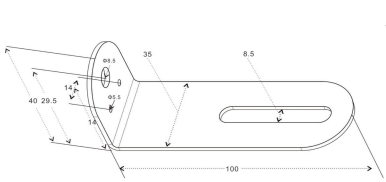
4. Installation Diagram

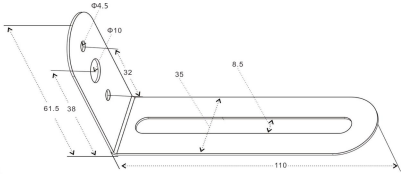


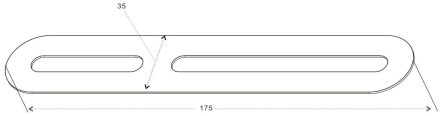


5. Bracket Dimension

Unit：mm







6. Fault maintenance

Fault phenomenon	Fault reason & exclude
The sound is small even no sound	Check if the wiring of horn speaker is correct, tight and no shorting. With the power selection, please confirm if the power switch has been adjusted to the right position. (in addition, wiring should be left with some certain margin to avoid the horn internal wiring damage.
The sound quality is not good and there is noise.	Check if the input signal source of amplifier and input transmission joint is correct. In addition, the horn speaker should be tightly fixed, otherwise, the resonance will be generated which can result in bad sound quality.

7. Packing list

（1）Installation Manual 1 pcs

（2）Outdoor Waterproof Column 1 pcs

（3）Fixed bolt 2 pcs

（4）L type bracket 2 pcs

（5）Connect bracket 1 pcs

（6）Connect bolt 1 pcs and connect nut 1 pcs

（7）Warranty Card and Certificate 1 pcs