

# SPECIFICATION

## FOR APPROVAL

Customer : \_\_\_\_\_

Product Name : Siren \_\_\_\_\_

Model Name : VS-BZ100-2P \_\_\_\_\_

Drawing No. : VS20220401009 \_\_\_\_\_

### Signature of Voice

Approved by	Checkde by	Issued by	Date

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## 1. Scope

This product specification is applied to the siren in alarm systems. Please contact us when using this product for any other applications than described in the above.

## 2. General Characteristics

- 3.1 Out-Diameter : 47x39 mm
- 3.2 Height : 27 mm
- 3.3 Weight : 31 g±2g
- 3.4 Operating Temperature : -20~+60°C without loss of function
- 3.5 Store Temperature : -30~+70°C without loss of function

## 3. Electrical and Acoustic Characteristics.

Test condition : 15 ~ 35 °C Temp., 25% ~ 75% RH, 86~106 kPa Refer to IEC60268-1

No	Items	Specification
1	Rated Voltage	12VDC
2	Working Voltage	6-24VDC
3	Sound Preesure Level	95dB/100dB/103dB/ <b>108dB</b> at 6V/9V/ <b>12V</b> /24VDC/30cm
4	Rated Current	High:<80mA/12VDC
5	Tone Nature	Siren( 3 sound /sec )
6	Housing Material	ABS
7	Color	Black
8	Waterproof grade	IP61

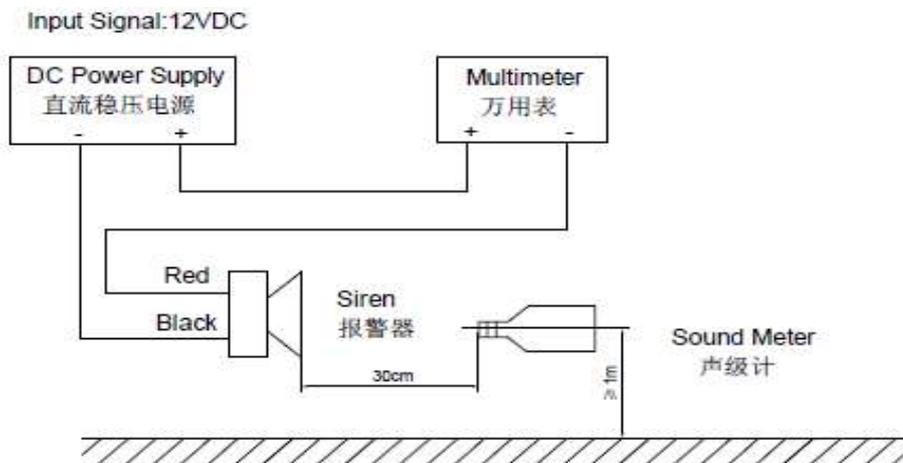
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## 4. Reliability Test

After test(1~5item), the buzzer S.P.L . difference shall be within  $\pm 8\text{dB}$ , and the appearance not exist any change to be harmful to normal operation

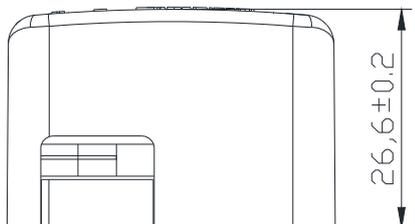
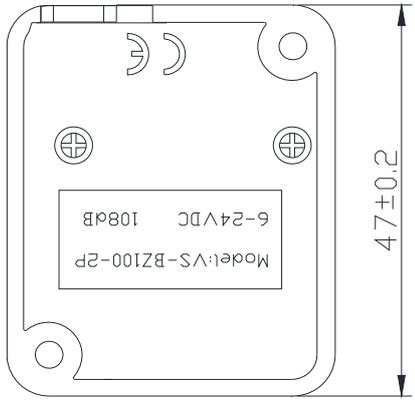
No	Items	Specification
1	High Temp.Test	After being woked in a chamber with $+60\pm 2\text{ }^\circ\text{C}$ for 2h and then being placed in natural condition for 2h, and then check.
2	Low Temp.Test	First being worked in a chamber with $-20\pm 2\text{ }^\circ\text{C}$ for 2h and then being placed in natural condtion for 2h, and then check.
3	Humidity Test	After being placed in a chamber with 90 to 95%R.H. at $+40\pm 2\text{ }^\circ\text{C}$ for 2 h and then being placed in natural condition for 2h ,and then check.
4	Shock Test	Under acceleration of peak $100\text{m/s}^2(10\text{g})$ & half sine wave pulse( pulse time is 16ms) condition. Run into product 100 times continuously.
5	Vibration Test	Being applied vibration of amplitude of 1.5mm with 10-30Hz band of vibration frequency,X.Y.Z.3 direction.2 hours each, total 6 hours.
6	Drop Test	Free drop fram 1.0 meter height to a board 20mm thick hard wood board. and be nothing mechanical damage. tatol 6 times.

## 5. Measurement Method



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**6. Dimensions**



FIRST ANGLE PROJECTION

UNIT : mm  
Tolerance : ±0.2

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## 7. Packing

Each minimum package unit of products shall be in a carton box and it shall be clearly marked with Part Number ,quantity and outgoing inspection number.

There shall be no mechanical damage on products during in storage.

40x40x19CM  
with box:480pcs/CTN  
Without OX:360pcs/CTN