SPECIFICATION

Customer :

Applied To :

Product Name : Piezo Siren

Model Name : CA-SS4557G

Drawing No. : KTC931R

Compliance with RoHS(

Signature of Approval

Signature of

Approved by	Checked by	Issued by	Date

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1. Scope

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

本规格书适用于报警器，通常它用在系统中做报警或提示，如果将该产品用于其它领域，请与我们取得联系。

2. General

2.1 Length： 44.5mm
长度： 44.5 mm
2.2 Width： 57.5 mm
宽度： 57.5 mm
2.2 Height 55.6 mm
高度： 55.6 mm
2.3 Weight： 65± 5 g.
重量： 65± 5克
2.4 Operating Temperature range:
-20～+70¡ æ without loss of function
工作温度：-20～+70℃
2.5 Store Temperature range:
-30～+70℃ without loss of function
储藏温度：-30～+70℃

3. Electrical and Acoustic Characteristics.

Test condition : 15 ~ 35 ℃, 25% ~ 85% RH, 860~1060 mbar
测试条件：15～35 ℃, 25%～85%RH , 860～1060mbar

	Items 项目	Specification 规格
1	Rated Voltage 额定电压	12VDC
2	Operating Voltage 工作电压	8-15VDC
3	Max.Rated Current 额定电流	≤200mA/12VDC
4	Min.Sound Pressure Level 额定声压	100dB/12VDC/100cm
5	Tone Nature 音调	Siren
6	Housing Material/Color 壳体材质/颜色	ABS/Black
7		
8		
9		
10		

4. Reliability Test

After test(1~6item), the Piezo Siren SOUND METER OR EQUIVALENT difference shall be within ± 10dB, and the appearance not exist any change to be harmful to normal operation(e.g.cracks,rusts,damages
and especially distortion)，

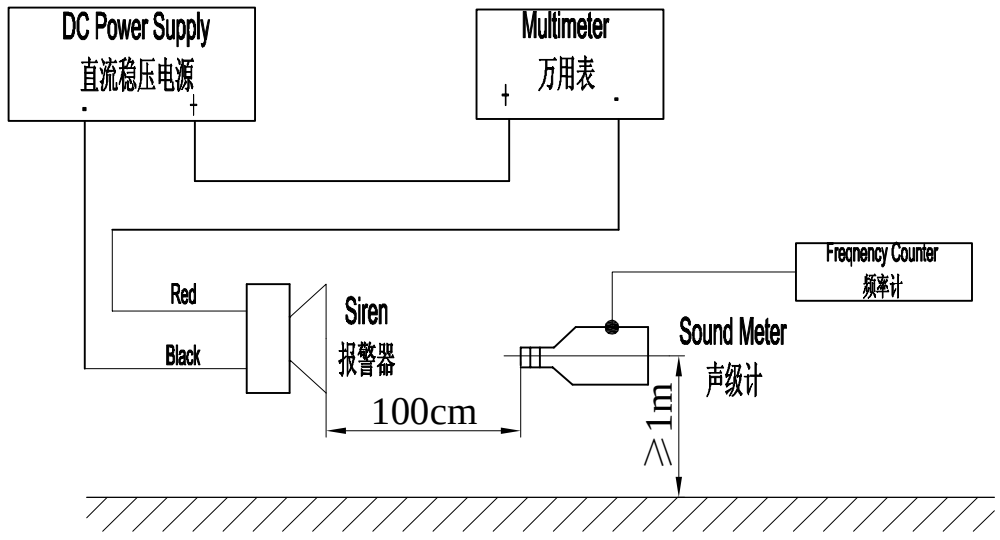
在1-6项试验后，报警器的声压变化值在 ± 10dB之内，外观无变化（例如：开裂、生锈、损伤、变形等现象）.

	Item	Specification
1	High Temperature Test 高温试验	After being woked in a chamber with +70± 2 ℃ for 2h and then being placed in natural condition for 2h, sounder shall be measured. 将产品置于 +70± 2 ℃试验箱中，先工作 2小时，然后在正常大气压条件下恢复2小时后，进行测量
2	Low Temperature Test 低温试验	First being worked in a chamber with -30± 2 ℃ for 2h and then being placed in a chamber with -30± 2 ℃ for 16h, finally being placed in natural condtion for 2h, sounder shall be measured. 将产品置于 -30± 2 ℃试验箱中，先工作 2小时，再放置16小时，然后在正常大气压条件下恢复2小时后，进行测量
3	Humidity Test 潮湿试验	After being placed in a chamber with 90 to 95%R.H. at +40± ℃ for 2 h and then being placed in natural condition for 2h , sounder shall be measured. 将产品置于湿度为 90-95%R.H，温度为40 ±2 ℃试验箱中 2小时，然后在正常大气压条件下恢复 2小时后，进行测量
4	Shock 耐冲击性	Under acceleration of peak100m/s ^{2}(10g)＆ half sine wave pulse (pulse time is 16ms)condition.run into product 1000 times continuously. 峰值加速度100m/S^2(10g),脉冲持续时间为16ms的半正弦波脉冲对试样连续碰撞1000次，测试报警器.

4. Reliability Test

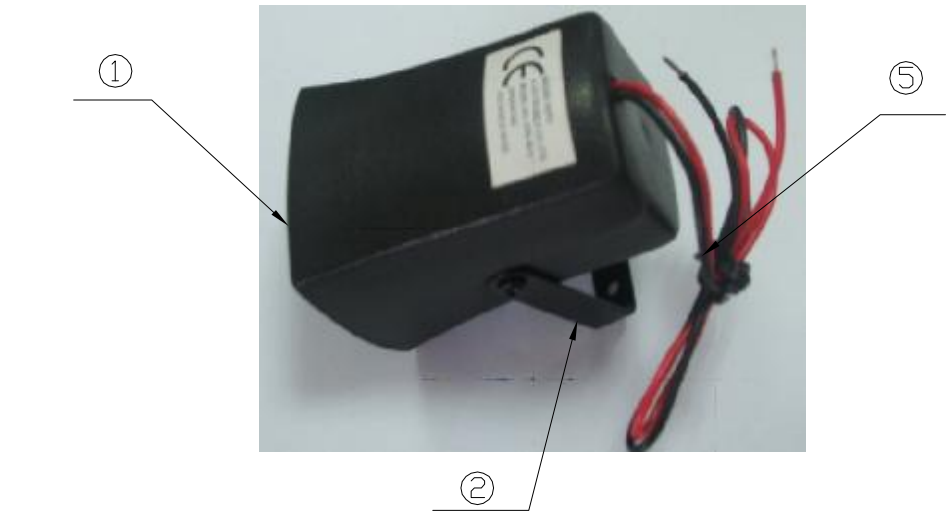
	Item	Specification
5	Drop Test 跌落试验	Siren packed in the carton are dropped in six direction from the height of 50cm to the concrete floor. 跌落高度50cm,6个不同方向整箱跌落到水泥地，试验后进行测量.
6	Vibration Resistance 振动试验	Siren shall be measured after being applied vibration of amplitude of 1.5mm with 10to 30Hz band of vibration frequency to each of 3 perpendicular directions for 2 hour. 振幅为1.5mm，频率为10-30Hz,三个不同轴方向各振动2小时，试验后进行测量.

5. Measurement Block Diagram



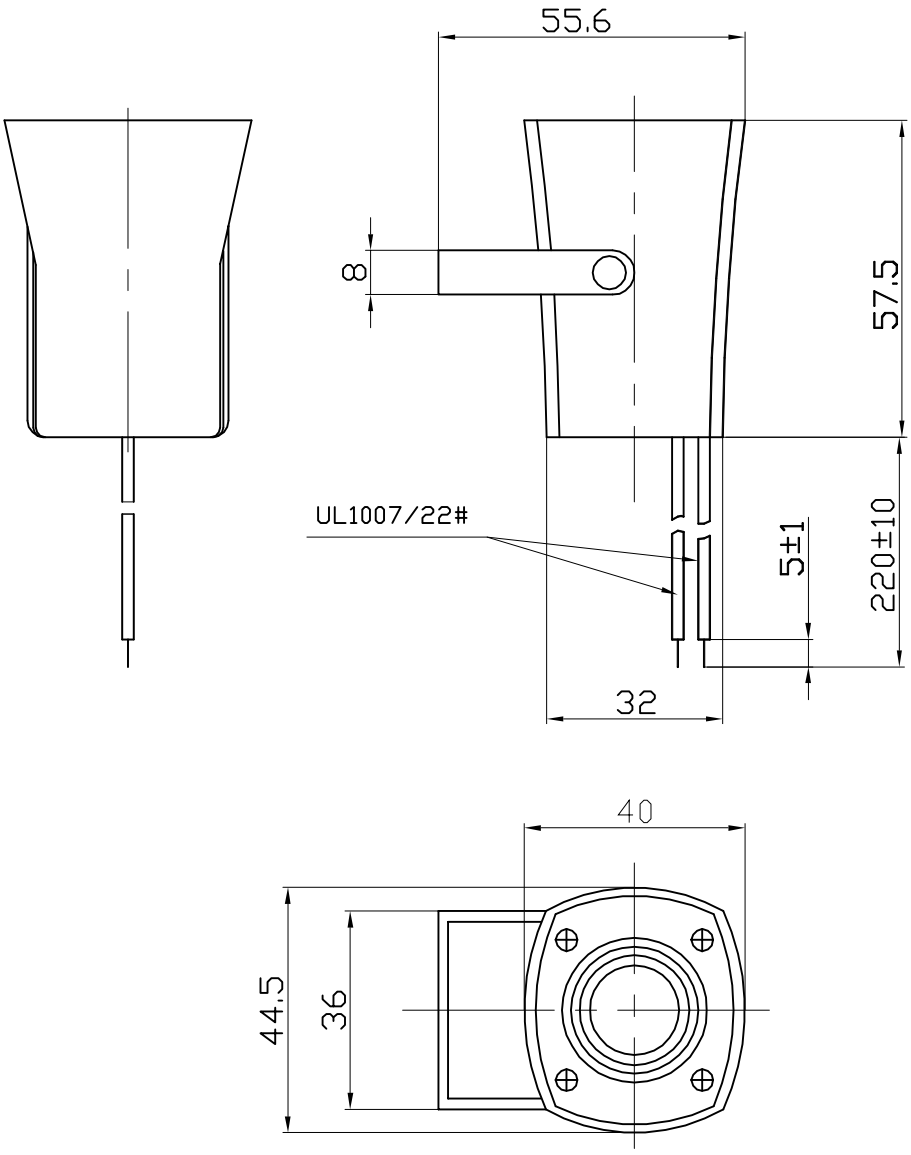
1.The red lead wire connect anode of DC power ,The black lead wire connect cathode of DC power would make "continuous" sound.
红线连接到电源正极，黑线连接到电源负极,将发出连续音报警声.

6. Structure



No.	Part Name 型号	Q'TY	Material 材质	SGS 编号
5	Wire 引线	1		
4	PCB 印制板组件	1		
3	Speaker 音头	1		
2	Plank 支架	1	Iron	
1	Housing/Color 外壳/颜色	1	ABS/Black	

7. Dimensions



FIRST ANGLE PROJECTION

UNIT : mm

Tolerance : ± 0.5

8. Packing

Picture1(1PCS)

Picture2(20PCS)

Picture3(200PCS)

QTY: 200Pcs

460 x295 x260

9. Revision

Rev. No.	DATE	PAGE	DESCRIPTION	SIGN
1.0	2011.07.12	9	primary	