

SPECIFICATION

Customer :

Applied To :

Product Name : Piezo Siren

Model Name : KPS-G8555

Drawing No. : KP3.840.481R

Compliance with ROHS

Signature of Approval

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Signature of KEPO

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.

2. General

- 2.1 Out- Diameter : 97.5X55mm
97.5X55mm
- 2.2 Height 31mm
31mm
- 2.3 Weight: 85± 5 G.
85± 5
- 2.4 Operating Temperature range:
-20~+60℃ without loss of function
-20~+60℃
- 2.5 Store Temperature range:
-30~+70℃ without loss of function
-30~+70℃

3. Electrical and Acoustic Characteristics.

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

	Items	Specification
1	Rated Voltage	12VDC
2	Operating Voltage	6-15VDC
3	Max.Rated Current	≤100mA/12VDC
4	Min.Sound Pressure Level	≥106dB/12VDC/100cm
5	Tone Nature	Siren
6	Housing Material/Color	ABS/White

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4. Reliability Test

After test(1~6item), the Piezo Siren S.P.L . difference shall be within $\pm 10\text{dB}$, and the appearance not exist any change to be harmful to normal operation(e.g.cracks,rusts,damages and especially distortion).

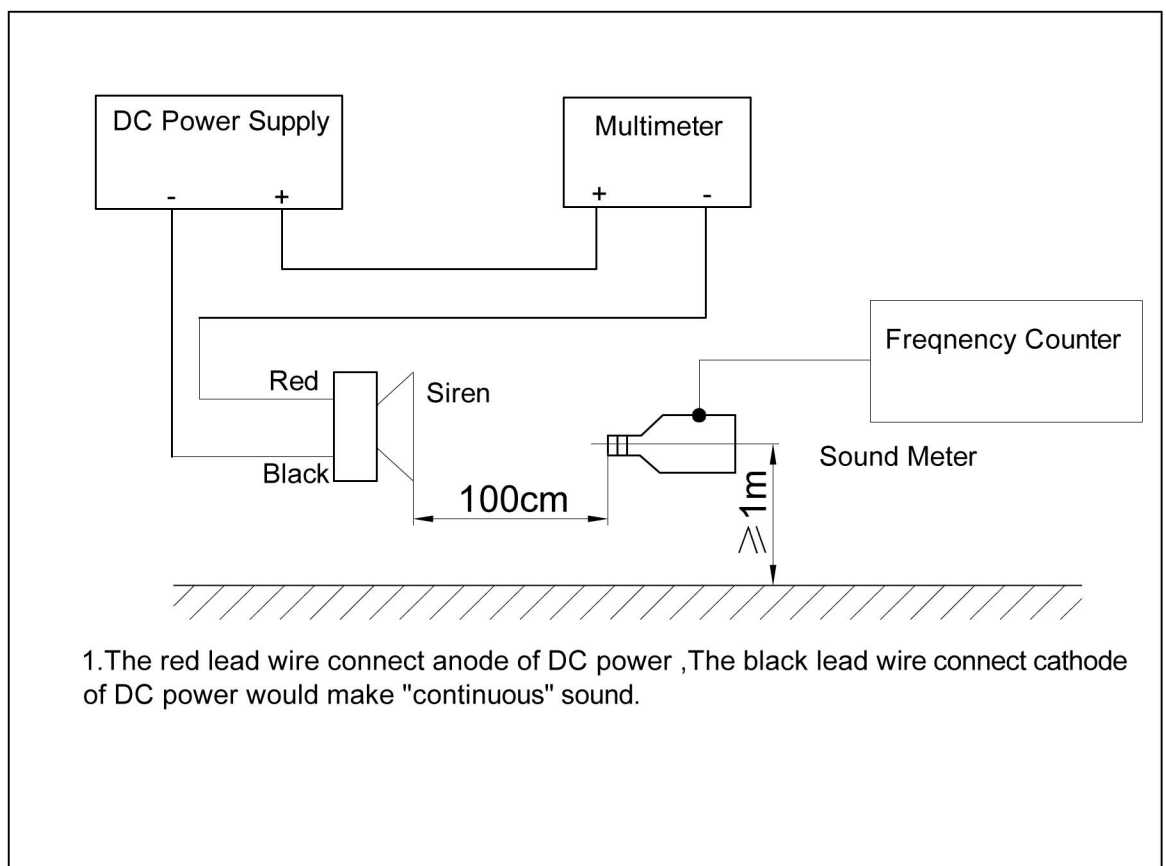
	Item	Specification
1	High Temperature Test	After being woked in a chamber with $+70\pm 2\text{ }^{\circ}\text{C}$ for 2h and then being placed in natural condition for 2h, sounder shall be measured.
2	Low Temperature Test	First being worked in a chamber with $-30\pm 2\text{ }^{\circ}\text{C}$ for 2h and then being placed in a chamber with $-30\pm 2\text{ }^{\circ}\text{C}$ for 16h, finally being placed in natural condtion for 2h, sounder shall be measured.
3	Humidity Test	After being placed in a chamber with 90 to 95%R.H. at $+40\pm\text{ }^{\circ}\text{C}$ for 2 h and then being placed in natural condition for 2h , sounder shall be measured.
4	Shock	Under acceleration of peak100m/s ² (10G) & half sine wave pulse (pulse time is 16ms)condition.run into product 1000 times continuously.

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4. Reliability Test

	Item	Specification
5	Drop Test	Siren packed in the carton are dropped in six direction from the height of 50cm to the concrete floor.
6	Vibration Resistance	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.

5. Measurement Block Diagram



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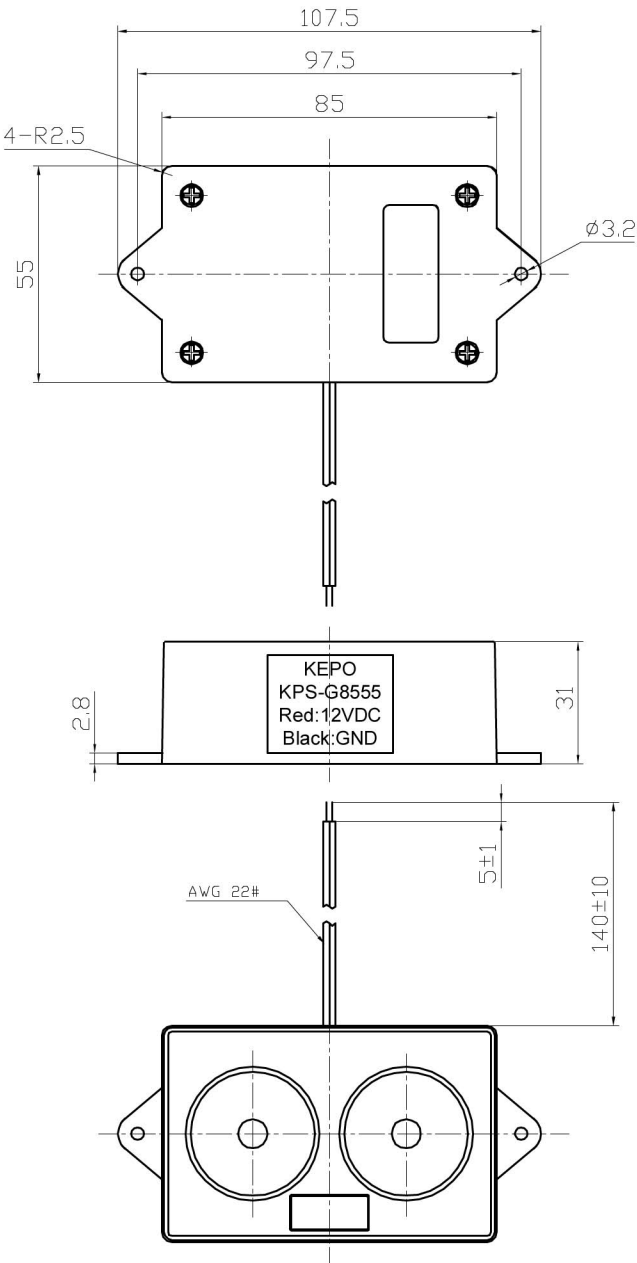
6. Structure



5	Component	/	/	
4	Element	1	H65	
			Piezo Ceramic	
3	PCB	1	FR-2	
2	Cover/Color	1	ABS/White	
1	Case/Color	1	ABS/White	
No.	Part Name	Q'TY	Material	Remark

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7. Dimensions



FIRST ANGLE PROJECTION



UNIT : mm
Tolerance : ± 0.5

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8. Packing			

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