



SPECIFICATION FOR PIEZO ELECTRIC ALARM

TOTAL PAGE

06

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RoHS

Customer		Model Name	HUSmart-01A
Customer P/N		Product No.	119300
Date	07 Nov. 2008	Issue No.	BS/TEA01.165A
Page	01 of 06	Issue Date	08/11/07

Approval:

- 1.Description
- 2.Technical Terms
- 3.Test Method
- 4.Drawing
- 5.Reliability Test
- 6.Packing
- 7.History Change Record

Drawn by	Checked by	Approved by	Customer approved
张尚君	陈小东	程久生	

BESTAR HOLDING CO.,LTD

No.199 HuangHe West Road,New district,ChangZhou,JiangSu Province,P.R.China

Tel: +86 519 88222567

Fax: +86 519 88222551

E-mail:wu@be-star.com

<http://www.bestargroups.com>

HUSmart-01A

1.Description

Smart alarm's speaker switcher to "listen" mode.
So that the unit can alarm as humanity the unit
can measure the surrounding sound pressure level, and it can
automatically adjust its own volume output either up or down.
So as to maintain just 5~10dB louder, loud enough to be heard,
but not so loud as to cause an unnecessary disturbance.

The unit can work not only in medium noise environment but also in quieter areas.
Can be used as reverse alarm for loading shovels, Road rollers, Forklift trucks,
Dump trucks...



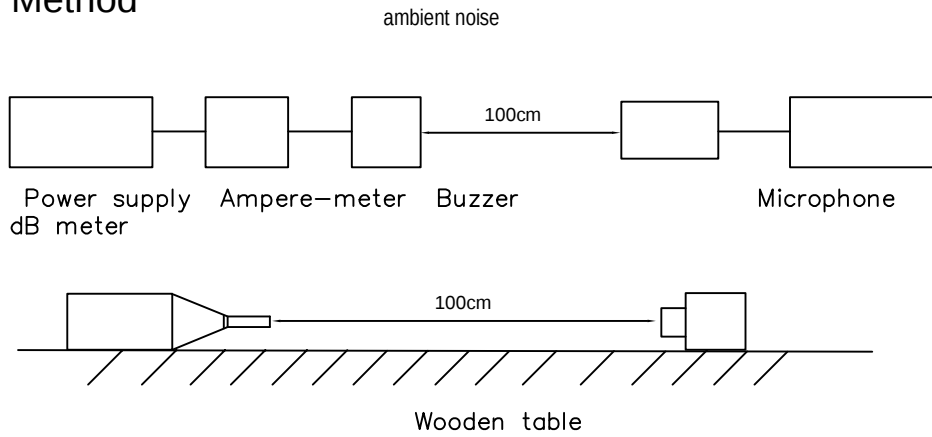
2.Technical Terms

No.	Type	Specifications
1.	Rated Voltage(DC)	12- 24V
2.	Operating Voltage(DC)	9-28V
3.	Current Consumption1	max.300mA
4.	Current Consumption2	max.400mA
5.	SPL at 1m 12-24V no noise level	82 ± 5dB
6.	SPL at 1m 12-24V Max.noise level	Min.100dB (typical 102dB)
7.	Resonant Frequency	1000 ± 200Hz
8.	Modulation	pulse tone
9.	ON-OFF-cycles	60C/M ± 10
10.	Temperature Range	-20-+70° C
11.	Housing color	black
12.	IP-rating	IP67
13.	Wire length	400± 30mm

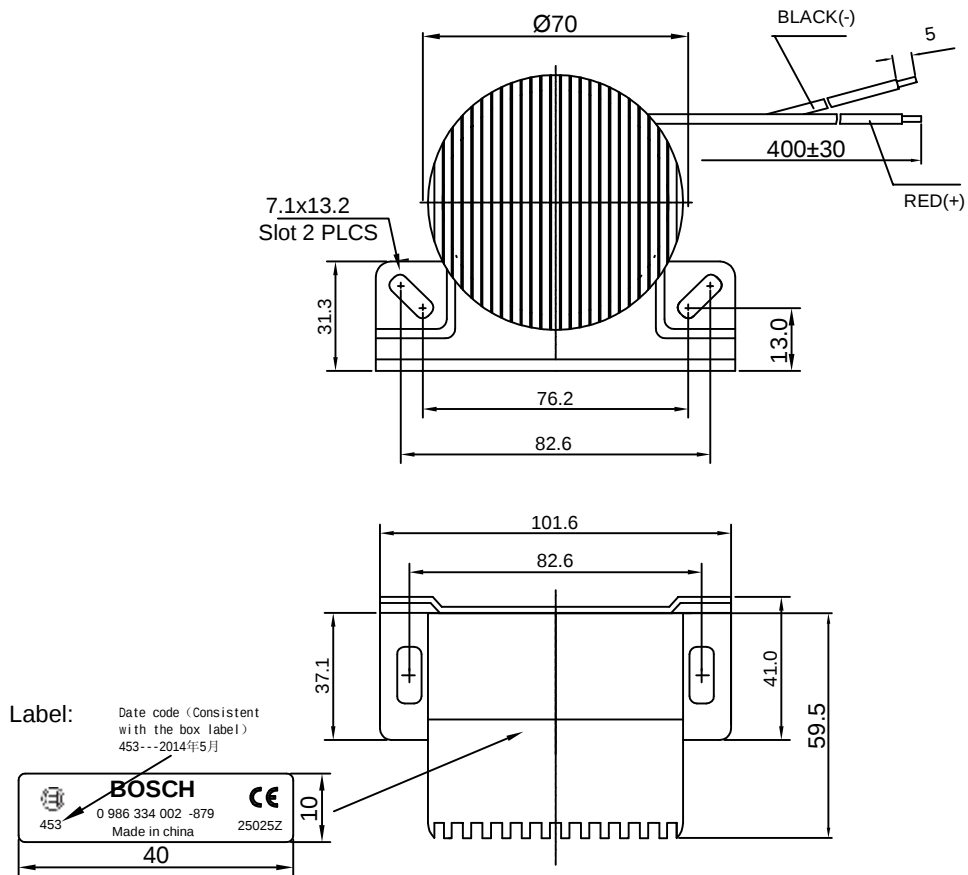
				Date:	08/11/07	HUSmart-01A	
				Drawn by:	张尚君		
A	08/11/07	张尚君		Checked by:	陈小东	SMART ALARM	
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3.Test Method



4.Drawing



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5. Reliability Test

5.1 Low Temperature Test

Temperature	-20°C
Duration	98h

5.2 High Temperature Test

Temperature	+70°C
Duration	98h

5.3 Humidity Withstanding

Temperature	40°C
Humidity	95%RH
Duration	98h

5.4 Durability

Testing after 500hours actual continuous operation

5.5 Shock withstanding

High	75cm
Direction	3

5.6 Durability operation

Testing 1000h actual continuous

Notice: No abnormality shall exist

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HUSmart-01A

6. Packing

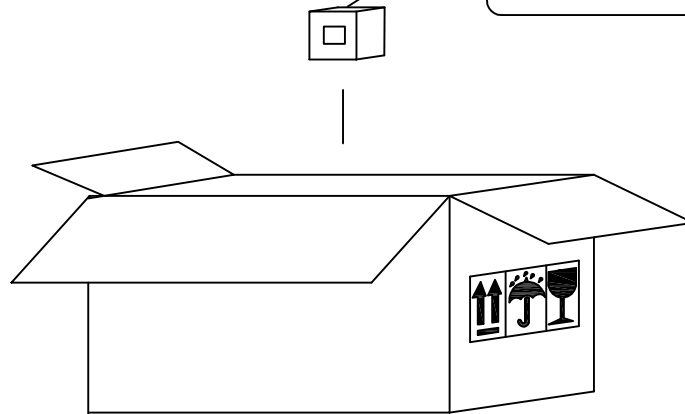
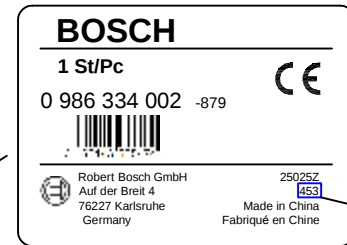
6.1 Packing quantity: 50 pcs per carton

Box Size: 102x73x102(mm)

Carton Size: 54x38.5x22.5(cm)

6.2 Packing Drawing

Box label(70*50mm):



6.3 Packing Content

- 1 × PE-Bag With
- 2 × Butt-Joint
- 2 × M6 Screw & Nut
- 4 × M6 Retaining Ring
- 2 × M8 Screw & Nut
- 4 × M8 Retaining Ring

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7. History Change Record

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