



APPLICATION FOR LOW VOLTAGE DIRECTIVE
On Behalf of
Laimi Electronic Technology (Shanghai) Co., Ltd
Intelligent monitoring device for formaldehyde in bedroom
Model No.: ECO-5

Prepared for : Laimi Electronic Technology (Shanghai) Co., Ltd
Address: Room 229, Building 5, No.518, Fengpu Road, Fengpu Industrial Park, Fengxian District, Shanghai

Prepared By : Shenzhen Alpha Product Testing Co., Ltd.
Address: Building B, East Area of Nanchang Second Industrial Zone, Gushu 2nd Road, Bao'an District, Shenzhen 518126, P.R. China

Date of Test: July 20-29, 2015
Date of Report: July 30, 2015
Report Number: T1850937 02
Version Number: REV0

TEST REPORT IEC/EN 60335-1 Safety of household and similar electrical appliances	
Report Reference No	T1850937 02
Tested by (name + signature)	Joshua Shang
Approved by (name + signature).....	Kaiden Guo
Date of issue.....	July 30, 2015
Testing Laboratory	Shenzhen Alpha Product Testing Co.,Ltd.
Address	Building B, East Area of Nanchang Second Industrial Zone, Gushu 2 nd Road, Bao'an District, Shenzhen 518126, P.R. China
Testing location / procedure	TL [<input checked="" type="checkbox"/>] SMT [] TMP []
Testing location / address	(Same as above.)
Applicant's name	Laimi Electronic Technology (Shanghai) Co., Ltd
Address	Room 229, Building 5, No.518, Fengpu Road, Fengpu Industrial Park, Fengxian District, Shanghai
Test specification:	
Standard	EN 60335-1:2012 +A11:2014 EN 62233:2008
Test procedure	LVD procedure
Test Report Form No	IEC/EN 60335-1
Test Report Form(s) Originator	ALPHA
Master TRF.....	Dated 2014-11
Test item description	Intelligent monitoring device for formaldehyde in bedroom
Model/Type reference	ECO-5
Model difference.....	N/A
Trademark.....	ecofive
Manufacturer	Laimi Electronic Technology (Shanghai) Co., Ltd
Address	Room 229, Building 5, No.518, Fengpu Road, Fengpu Industrial Park, Fengxian District, Shanghai
Ratings.....	220-240V~, 50Hz, 1W

Test item particulars:

Classification of installation and use.....: Built-in appliances

Supply Connection: Fixed wiring in accordance with the wiring rules

Protection against electric shock: Class II appliance

IP Number.....: IPX0

Mass(kg).....: 0.16

Possible test case verdicts:

- test case does not apply to the test object: N(/A)

- test object does meet the requirement: P(Pass)

- test object does not meet the requirement.....: F(Fail)

Testing

Date of receipt of test item: July 20, 2015

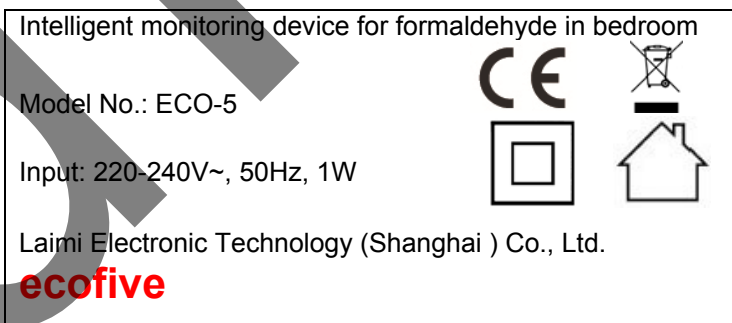
Date (s) of performance of tests: July 20-29, 2015

General remarks:

The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

“(see appendix #)” refers to additional information appended to the report.
“(see appended table)” refers to a table appended to the report.

Throughout this report a comma (point) is used as the decimal separator.

Copy of marking plate:

21.1	TABLE: Impact resistance			P
Impacts per surface	Surface tested	Impact energy (J)	Comments	
Plastic enclosure	Three blows	0,5	No damage	

24.1	TABLE: Critical components information					P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity	
Formaldehyde sensor	Various	Various	DC12V, 0.5W	EN 60335-1	Tested with appliance	
Transformer	Laimi Electronic Technology (Shanghai) Co., Ltd	8884	Class B	EN 60335-1	Tested with appliance	
-Transformer bobbin	(Various)	(Various)	V-0, 150°C	UL94	UL	
- Insulating tape	(Various)	(Various)	130°C	UL510	UL	
-Magnet wire	(Various)	(Various)	130°C	UL1446	UL	
-Varnish	(Various)	(Various)	155°C	UL1446	UL	
- Thermal link	(various)	(various)	65°C	UL 60730-1 UL 60730-2-9	UL	
PCB	(Various)	(Various)	V-0 , 130°C	UL 94	UL	
Plastic enclosure (white)	Various	Various	V-0, 130°C	UL 94	UL	
Plastic enclosure (grey)	Various	Various	V-0, 80°C	UL 94	UL	
Supplementary information:						

28.1	TABLE: Threaded part torque test			P
Threaded part identification	Diameter of thread (mm)	Column number (I, II, or III)	Applied torque (Nm)	
Terminals	2.94	II	0.5	

29.1	TABLE: Clearances						P
	Overvoltage category...:	II				—	
	Type of insulation:						
Rated impulse voltage (V):	Min. cl (mm)	Basic	Functional	Supplementary	Reinforced	Verdict / Remark	
330	0,5	-	-	-	-	N	
500	0,5	-	-	-	-	N	
800	0,5	-	-	-	-	N	
1 500	0.5	-	-	-	-	N	
2 500	1.5	>1.5	>1.5	>1.5	-	P	
4 000	3.0	-	-	-	>3.0	P	
6 000	5.5	-	-	-	-	N	
8 000	8.0	-	-	-	-	N	

Appendix 2
Photo documentation

Photo 1

View:

- front
- rear
- right side
- left side
- top
- bottom
- internal

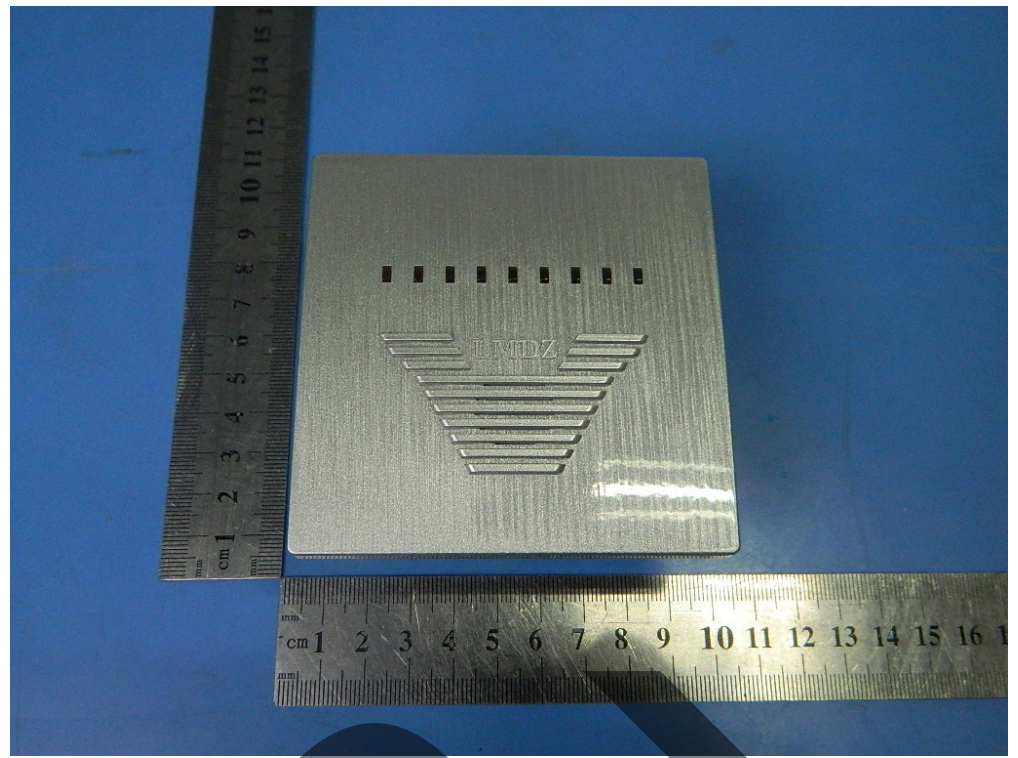


Photo 2

View:

- front
- rear
- right side
- left side
- top
- bottom
- internal

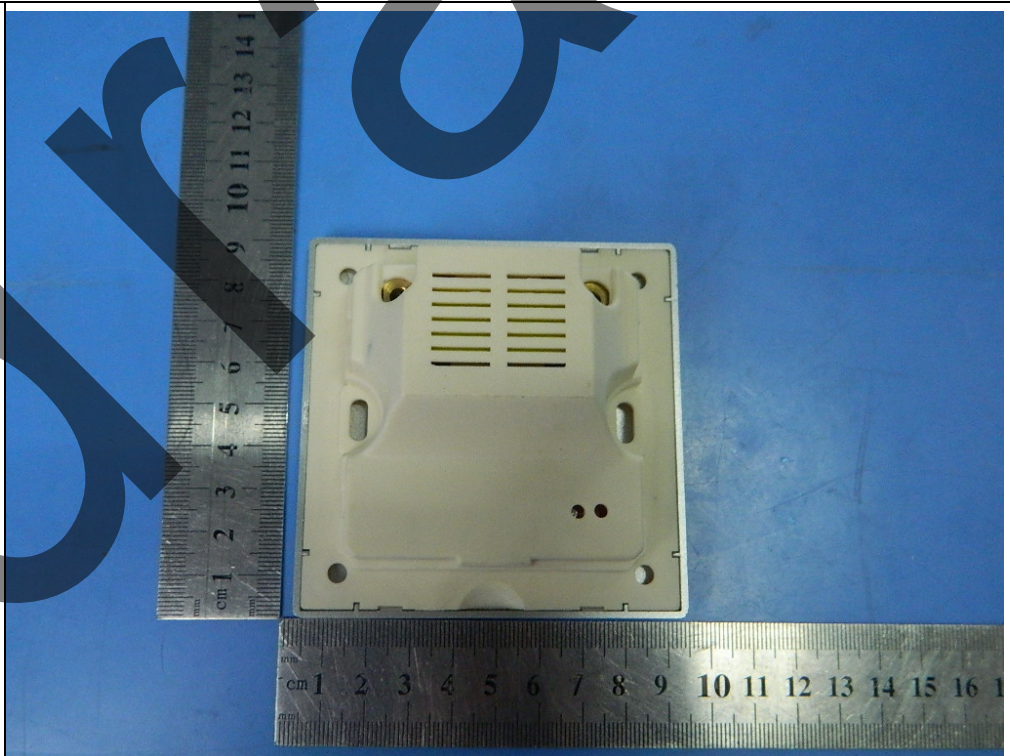


Photo documentation

Photo 3

View:

- front
- rear
- right side
- left side
- top
- bottom
- internal

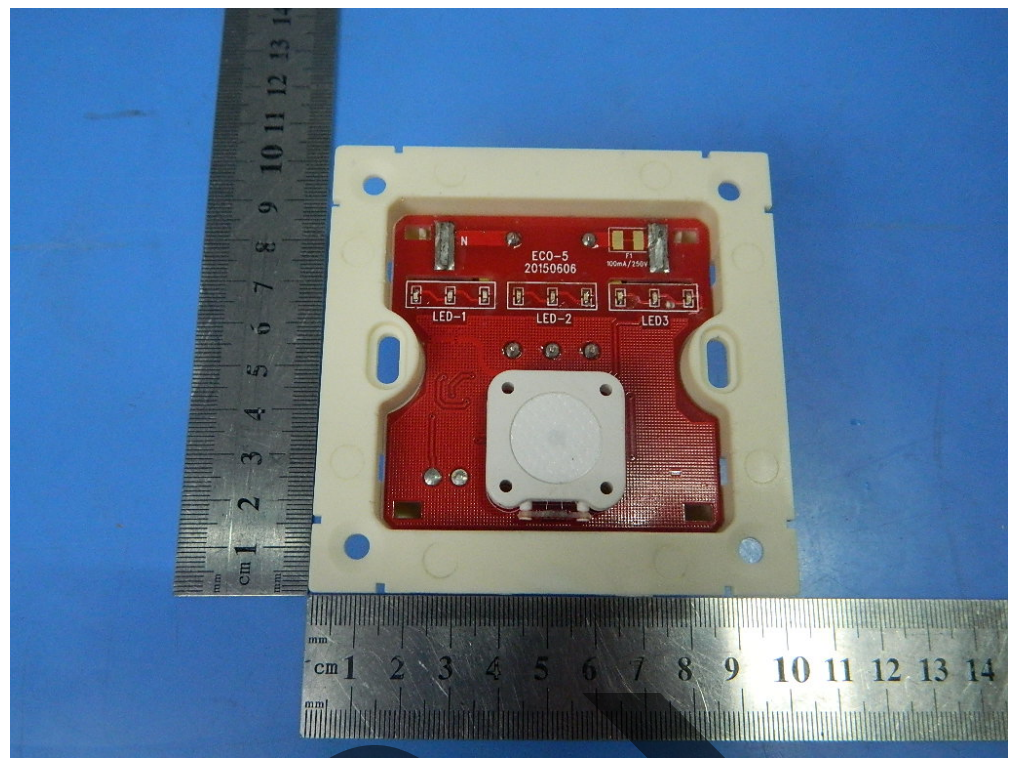
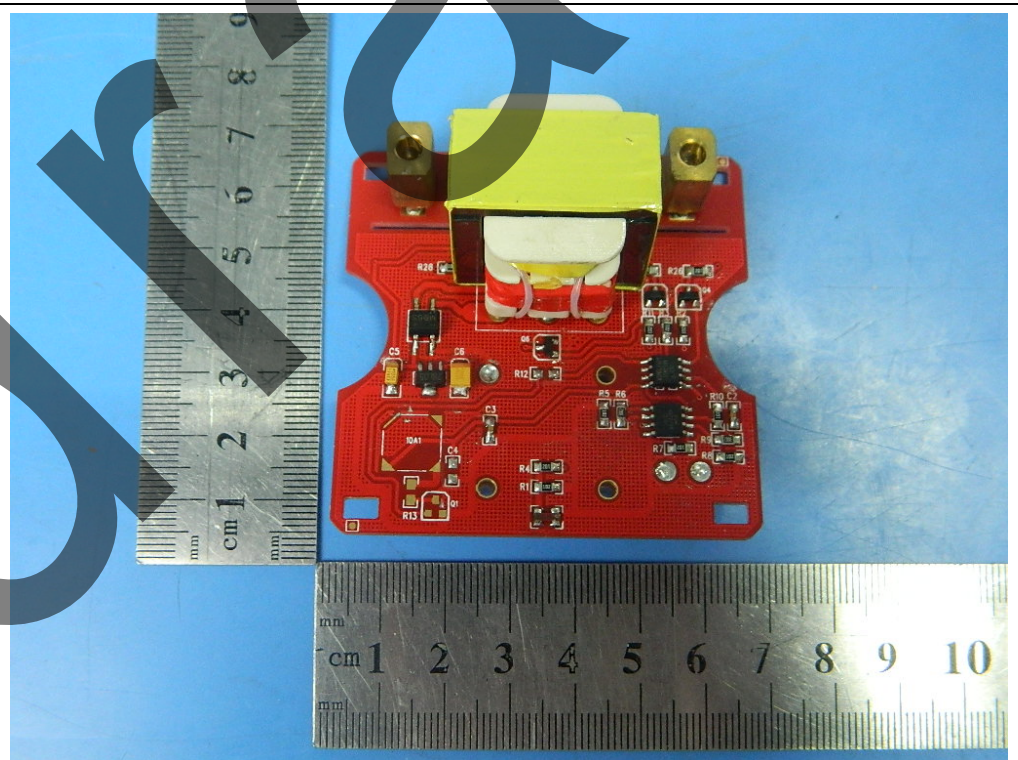


Photo 4

View:

- front
- rear
- right side
- left side
- top
- bottom
- internal



---End of report---