

Assessment of product conformity has been carried out pursuant to European Parliament and Council
Directive 2002/95/EC (RoHS) and related standards. Details relating to
technical conditions are given in the following documents:

SZUTEST TECHNICAL INSPECTION and CERTIFICATION

İnönü Mah. Kayışdağı Cad. No:148 Kat 3-4 Ataşehir, İstanbul, Turkey

The following standard has been applied in the process of conformity assessment:
EN 60335-1:2002

Page 1 to 3 pages

SZUTEST has been carried out the above mentioned activity based on the following documents:

Order no: Mutlak LYD211207-1

Contract Number LYD211207-1

FINAL REPORT No. 11-0301/01

1. Specification of the product and of its variants

Power Board TT-08Eu is an energy saving device that automatically reduces power consumption and
turns off connected electrical appliances to save standby power consumption.

Product: Power Board
TT-08Eu

Alternate: German Type, Universal Type

Customer: TTAF Elektronik Sanayi ve Ticaret Limited Şirketi
İstanbul Caddesi No:27/1-2-3 Kavaklı Köyü
Beylikdüzü, İstanbul, Türkiye

Manufacturer: TTAF Electronic Manufactory Limited Company
Flat/Rm N Blk 2 17/F Goldfield Building 144-150 Tai Lin Pai Road
Kwai Chung, Hong Kong, China

Person responsible: Elec Eng Ergün CENGİZ

Date of report issue: 2011-03-03

Annex:
- tables no. 1, 2

Distribution list: 2x SZUTEST
1x customer

Assessment of product conformity has been carried out pursuant to European Parliament and Council Directive 2006/95/EC of 12 December 2006 on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits. (Codified Version).

The following standard has been applied in the process of conformity assessment:
EN 60335-1:2002

SZUTEST has been carried out the above-mentioned activity based on the following documents:

- Order ev. Number LVD811307-1 at SZUTEST on 2011-02-17
- Contract Number LVD811307 dated 2011-02-17

I. Specification of the product and of its variants

Power Board TT-08Eu is an energy conserving device that automatically detects power consumption and turn off connected electrical appliances to save standby power consumption.

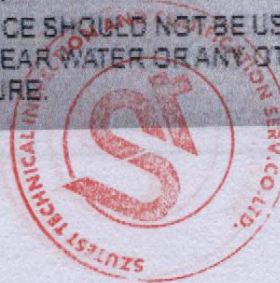


TTAF

Model NO: TT-08Eu
ELECTRICAL RATING:18A 250V~
Test Class III Uoc:4KV Up:1.9KV
Phone SPD Uc:200Vdc
DATA/LAN SPLUc:5Vdc
AVTV SPD Uc:50Vdc
Use in dry location only

CE

WARNING: THIS DEVICE SHOULD NOT BE USED
WITH AQUARIUMS, NEAR WATER OR ANY OTHER
SOURCE OF MOISTURE.



Specifications

Physical

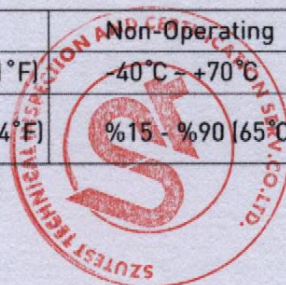
Width	44.25 cm
Depth	11.2 cm
Height	4.5 cm
Weight	1.30 kg
Power Cord Length	1.8 m (1.5mm ²)

Electrical

AC Voltage	220-250V/50Hz/60Hz	
Maximum Current	16 A	
Standby Power Consumption	0.85W	
Current Display Tolerance	±0.3A	
Shutdown Conditions	Threshold (Descendent Current Variation)	>70%
	Detection Time	30 Seconds
	Turn-Off Delay Time	3 minutes
IR Receiver Characteristics	Frequency	30KHz ~ 60KHz
	Distance (0° degree)	9 Meters (37.9KHz)
	Distance (±40° degree)	6 Meters (37.9KHz)
Surge Energy Joule Rating	3672 J	
Surge Protection Mode	L-N, L-G, N-G	
Clamping Voltage	800V	
Maximum Peak Spike Current	144000A	
Maximum Spike Voltage	6KV	
EMI / RFI Noise Filter	Frequency	150KHz ~ 100MHz
	Attenuation	Up to 75 dB
DSS/COAX Cable Protection	Surge Arrestor	Gas Tube
	Breakdown Voltage	< 75V
	Insertion Loss	< 0.1dB
	Line Protection	2 Pairs (Aerial Type)

Environmental

	Operating	Non-Operating
Temperature	0° ~ +55°C (32°F to 131°F)	-40°C ~ +70°C
Relative Humidity (non-condensing)	%15 to %95 at 40°C (104°F)	%15 - %90 (65°C)



II. Assessment of the submitted technical documentation

See Table 1

The submitted technical documentation is sufficient and appropriate for assessment of conformity with the technical requirements of Council Directive, 2006/95/EC of 12 December 2006 (Electrical Equipment Used Certain Voltage Limits)

III. Assessment of product conformity

See Table 2.

IV. Conclusion

It results from the inspection of the submitted technical documentation and carried out verifications and examinations that the said product and it's variants have been designed and manufactured in line with technical requirements of Council Directive 2006/95/EC of 12 December 2006 (Low Voltage Directive).

Responsible for correctness:

Elec. Eng .Ergün CENGİZ
Manager of testing department



Mehmet Işıklar
Director of the Branch

List of applied documentation:

- Order ev. Number LVD811307-1 at SZUTEST on 2011-02-17
- Contract Number LVD811307 dated 2011-02-17
- Test report No. 11-0301/01
- EN 60335-1:2002 Household and similar electrical appliances - Safety -- Part 1: General requirements
- Electrical diagram all models
- Technical drawing all models

Principal elements of the safety objectives for electrical equipment designed for use within certain voltage limits		Tab. 1	
Pursuant Annex I to Directive 2006/95/EC of the European Parliament and of the Council of 12 December 2006 on the harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits (codified version)			
Technical requirements:	Applied standard, technical provision:	Documents:	Evaluation:
1. General conditions			
a) The essential characteristics, the recognition and observance of which will ensure that electrical equipment will be used safely and in applications for which it was made, shall be marked on the equipment, or, if this is not possible, on an accompanying notice.	EN 60335-1:2002	Technical requirements assessment report no. 11-0301/01	+
b) The manufacturers or brand name or trade mark should be clearly printed on the electrical equipment or, where that is not possible, on the packaging.	EN 60335-1:2002	Technical requirements assessment report no. 11-0301/01	+
c) The electrical equipment, together with its component parts should be made in such a way as to ensure that it can be safely and properly assembled and connected.	EN 60335-1:2002	Technical requirements assessment report no. 11-0301/01	+
d) The electrical equipment should be so designed and manufactured as to ensure that protection against the hazards set out in points 2 and 3 of this Annex is assured providing that the equipment is used in applications for which it was made and is adequately maintained.	EN 60335-1:2002	Technical requirements assessment report no. 11-0301/01	+



Evaluation
 + documentation is complete and satisfactory
 - documentation is incomplete of unsatisfactory
 x documentation is not needed for the ordered activities

<p>Protection against hazards arising from the electrical equipment</p> <p>Measures of a technical nature should be prescribed in accordance with point 1, in order to ensure:</p>			
<p>a) that persons and domestic animals are adequately protected against danger of physical injury or other harm which might be caused by electrical contact direct or indirect,</p>	EN 60335-1:2002	Technical requirements assessment report no. 11-0301/01	+
<p>b) that temperatures, arcs or radiation which would cause a danger, are not produced,</p>	EN 60335-1:2002	Technical requirements assessment report no. 11-0301/01	+
<p>c) that persons, domestic animals and property are adequately protected against nonelectrical dangers caused by the electrical equipment which are revealed by experience,</p>	EN 60335-1:2002	Technical requirements assessment report no. 11-0301/01	+
<p>d) that the insulation must be suitable for foreseeable conditions.</p>	EN 60335-1:2002	Technical requirements assessment report no. 11-0301/01	+
<p>Protection against hazards which may be caused by external influences on the electrical equipment</p> <p>Technical measures are to be laid down in accordance with point 1, in order to ensure:</p>			
<p>a) that the electrical equipment meets the expected mechanical requirements in such a way that persons, domestic animals and property are not endangered,</p>	EN 60335-1:2002	Technical requirements assessment report no. 11-0301/01	+



Evaluation
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b)	that the electrical equipment shall be resistant to non-mechanical influences in expected environmental conditions, in such a way that persons, domestic animals and property are not endangered,	EN 60335-1:2002	Technical requirements assessment report no. 11-0301/01	+
c)	that the electrical equipment shall not endanger persons, domestic animals and property in foreseeable conditions of overload.	EN 60335-1:2002	Technical requirements assessment report no. 11-0301/01	+



Evaluation
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x documentation is not needed for the ordered activities