

Electrical Safety Assessments Ltd

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PRODUCT ASSESSMENT REPORT

AC/DC ADAPTOR SUPPLIED WITH:

ZGEMMA

MODEL: H.2S, TWIN TUNER

HD SATELLITE STB

Prepared by Electrical Safety Assessments Ltd. for:

Essex County Council
Trading Standards Service
CG32, County Hall
Market Road
Chelmsford
Essex
CM1 1QH

Report N° **M7024**

Authorised signatory: D C Tingey IEng MIET

Dated: 22 September 2016



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It is valid for two years from the date of issue.

Introduction

One sample of the Media player, depicted on page 3 of this report was submitted for a product assessment by Susan Pembroke of Essex County Council Trading Standards Service. The Media player was received by Electrical Safety Assessments Ltd on 2 September 2016.

The sample was supplied with a switched mode power supply unit for connection to the mains supply and this product assessment relates primarily to the safety of this supply unit. The Media player operated on voltages that would not produce an electric shock and as heating, resistance to fire, etc are not assessed as part of this screen test; the assessment of the Media player was limited to an inspection of the marking, warnings and instructions.

The supply unit was deemed to be electrical equipment as defined by the Electrical Equipment (Safety) Regulations and it was tested in accordance with Schedule 1 of this report for compliance with these regulations.

The supply unit was tested in the condition in which it had been found as delivered to the location of the testing. There was no special preparation of the sample apart from any necessary assembly.

The sample was tested with reference to the following British Standards:

BSEN 60950-1: 2006 + A12: 2011

BS 1363-1: 1995 + A4: 2012

Submission details

Sample number	2658
Bag seal number	A0170385
Resealed with tag number	ESA01370
Location of inspection	2 Richardsons Road
Date test commenced	22 September 2016

Sample details

Make	ZGEMMA		
Type	HD SATELLITE STB	Model	H.2S
Style	TWIN TUNER	SKU	35001606000018117
Other	Power supply unit: <i>Brand</i> Keerda <i>Model</i> DZ024HL120200B <i>Input:</i> 100 – 240 V ~ AC 50 / 60 Hz 0.8 A <i>Output:</i> 12 V DC 2.0 A		



Results

The assessment produced the results given in the table below:

Assessment criteria	Result
Correct operation	Pass
Marking / Instructions	Pass
Construction	Pass
Protection from access to live parts	Pass
Protection against harmful temperatures, arcs or radiation	Not tested
Protection against non-electrical dangers	Not applicable
Suitable insulation provided	Pass
Supply cord	Not applicable
Expected mechanical requirements met	Pass
Resistant to non-mechanical influences	Not tested
Plug pins	Pass

Conclusions

This sample complied with the requirements of the British Standard as tested. No departures were found that contravened the requirements of the Electrical Equipment (Safety) Regulations 1994.

This assessment is principally based upon the measurement and inspection clauses of the relevant British Standard supported where necessary by basic electrical tests. Unless specified, the British Standard used will be the latest addition including all amendments.

Correct operation

A test is conducted to establish that the equipment is working and that the results of the formal testing will not be affected by any faults. It does not imply that the equipment is working correctly or that it satisfies any performance criteria. No assessment is made for the fitness for purpose of the equipment

Marking/Instructions

Confirm presence of CE mark. An inspection of the rating plate, other markings and pictograms for compliance with the requirements for these items in the relevant standards. An inspection of the instruction manual for the presence of warnings specified in the British Standard. As the requirements for instructions for use are mostly subjective, no comments on the quality of the manual are made unless there are significant errors or omissions.

Construction

An inspection to verify the equipment is designed and manufactured so that it can be properly assembled and connected. An inspection based upon the physical construction requirements given in the relevant British Standard. An inspection of the major components will be limited to the checking of markings for ratings consistent to the purpose for which they have been put. A visual examination for the suitability of the electrical terminals and connections.

Protection against access to live parts

An inspection to verify protection against electric shock caused by direct or indirect contact. Inspection based on the appropriate section in the relevant British Standard. Testing for the adequacy of the earthing circuit if appropriate.

Protection against harmful temperatures, arcs or radiation

Temperature checks are not normally carried out and will only be taken in cases of doubt. They will not be conducted in strict accordance with the British Standard. Thus any comments will be on an observance basis with a recommendation for further checks to be made.

Protection against non-electrical dangers

An inspection to verify protection against access to hazardous moving parts and sharp edges other than those necessary for the functioning of the equipment, in accordance with the appropriate sections within the relevant British Standard.

Suitable insulation

Electric strength tests and earth leakage tests conducted based upon the appropriate sections in the relevant British Standard. An assessment of the fundamental requirements for the internal wiring. Creepage distance and clearances are visually inspected but only measured and recorded where sufficient doubt exists.

Mechanical requirements

Conduct impact tests on suspect parts. Carry out tumble barrel tests, drop tests, stability tests as directed by the appropriate section in the relevant British Standard.

Non-mechanical influences

Conformance with the claimed IP rating is conducted by a visual assessment or simple testing where doubt exists. They will not be conducted in strict accordance with the British Standard. Thus any comments will be on an observance basis with a recommendation for further checks to be made.

Plugs and plug pins

Measurement of the pins using test gauges for correct disposition and sizes.

The test schedule detailed in Appendix 1 represents the extent of the screen test undertaken on this product. They do not represent full conformity testing as they are not the complete list of clauses applicable to this product.

Due to the complexity of some of the sub-clauses, the time constraints and limitations of the facilities at the place of testing (if applicable) it was not possible to test the sample in strict accordance with every requirement of the British Standard.

Due to these limitations, this report can only detail areas of non-compliance where found and that where a 'Pass' condition has been recorded this simply means it has met the requirements of the screen test as conducted.

This report cannot be taken to mean that the product fully complies with the British Standard or any one section and as such, it alone, cannot be used as evidence of compliance with any statutory requirement.

Electrical Safety Assessments Ltd. accepts no liability where departures from the statutory requirements are subsequently found.