



EC CERTIFICATE

Notified Body No. 0843

CPR Notified Body UL International (UK) Ltd., Wonersh House, The Guildway, Old Portsmouth Road, Guildford, Surrey, GU3 1LR, United Kingdom

Certificate of constancy of performance 0843-CPR-0216

In compliance with the Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

10A Power Supply Model STX2410

Power supply equipment of fire detection and fire alarm systems installed in buildings

produced by

Elmdene International Ltd
3 Keel Close, Interchange Park,
Portsmouth, Hampshire, PO3 5QD, UK

This certificate attests that all provisions concerning the assessment and verification of constancy of performance in Annex ZA of the standard(s):

EN 54 Part 4:1997 + A1:2002 + A2:2006

Fire detection and fire alarm systems - Part 4: Power supply equipment

under system 1 are applied that the product fulfills (products fulfil) all the prescribed requirements set out above

This certificate was first issued on the date below and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

First Issue Date: 5th Dec 2014

Chris Miles
Business Manager
UL International (UK) Ltd

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Annex: Detailed information sheet

Certificate Number: 0843-CPR-0216

Product/Device description:

Model STX2410-E 10A Power Supply with model E Enclosure
Model STX2410-H 10A Power Supply with model H Enclosure
Model STX2410-E + Batt-Box-65 10A Power Supply with model E Enclosure + External Batt-box-65 Enclosure

Applicant designation:

Elmdene International Ltd
3 Keel Close, Interchange Park,
Portsmouth, Hampshire, PO3 5QD, UK

Product Information

Model Reference: STX2410
Type: Power supply equipment (PSE)
Description: This product is designed as power supply equipment for automatic fire detection and fire alarm systems installed in buildings.

Technical Data

Supply Voltage: 110-240 V AC (+10% / -15%)
Output Voltage (Mains): 27.0 – 28.3 V DC (27.6 V nominal)
Output Voltage (Battery): 21.0 – 26.0 V dc
 I_{max} a/b: 10.0 A with 18Ah Batteries / 8.0A with 38Ah Batteries / 7.2A with 65Ah Batteries
 I_{min} : 0 mA
 $R_{i_{max}}$: 0.5 Ω

Battery Capacity: 18 Ah with E-Type Enclosure
38 Ah with H-Type Enclosure
65 Ah with Batt-Box-65 External Enclosure

Enclosure Size E Type: 400 x 420 x 80mm
H Type: 420 x 420 x 180mm
Batt-Box-65 Type: 450 x 535 x 245mm

The referenced product complies with all the relevant requirements as per EN 54 Part 4:1997 + A1:2002 + A2:2006

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Essential Characteristics	Performance	Standard
Operational reliability		
4 - General Requirements	Pass	EN 54-4:1997 + A1:2002 + A2:2006
5 - Functions	Pass	EN 54-4:1997 + A1:2002 + A2:2006
6 - Materials, design and manufacture	Pass	EN 54-4:1997 + A1:2002 + A2:2006
7 - Documentation	Pass	EN 54-4:1997 + A1:2002 + A2:2006
8 - Marking	Pass	EN 54-4:1997 + A1:2002 + A2:2006
Performance of Power Supply		
4 - General Requirements	Pass	EN 54-4:1997 + A1:2002 + A2:2006
5 - Functions	Pass	EN 54-4:1997 + A1:2002 + A2:2006
6 - Materials, design and manufacture	Pass	EN 54-4:1997 + A1:2002 + A2:2006
Durability of operational reliability: temperature resistance		
9.5 - Cold (Operational)	Pass	EN 54-4:1997 + A1:2002 + A2:2006
Durability of operational reliability: vibration resistance		
9.7 - Impact (operational)	Pass	EN 54-4:1997 + A1:2002 + A2:2006
9.8 - Vibration, sinusoidal (operational)	Pass	EN 54-4:1997 + A1:2002 + A2:2006
9.15 - Vibration, sinusoidal (endurance)	Pass	EN 54-4:1997 + A1:2002 + A2:2006
Durability of operational reliability: electrical stability		EN 54-4:1997 + A1:2002 + A2:2006
9.9 - Electromagnetic Compatibility (EMC), Immunity Tests	Pass	EN 54-4:1997 + A1:2002 + A2:2006
Durability of operational reliability: vibration resistance		
9.7 - Impact (operational)	Pass	EN 54-4:1997 + A1:2002 + A2:2006
Durability of operational reliability: humidity resistance		
9.6 - Damp heat, steady state (operational)	Pass	EN 54-4:1997 + A1:2002 + A2:2006
9.14 - Damp heat, steady state (endurance)	Pass	EN 54-4:1997 + A1:2002 + A2:2006

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