

Certificate of Constancy of Performance

This is to certify that:

FireAngel Safety Technology Limited
Vanguard Centre
Sir William Lyons Road
Coventry
CV4 7EZ
United Kingdom

Holds Certificate Number:

2797 CPR 676744

In respect of:

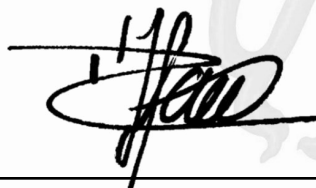
EN 14604: 2005 + AC: 2008
Smoke Alarm Devices

In compliance with 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 above construction product. This certificate attests that all the provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the above standard(s) under system 1 are applied and that the product fulfils (products fulfil) all the prescribed requirements set out above. This certificate remains valid as long as the test methods and/or factory production control requirements included in the harmonised standard(s), used to assess the performance of the declared essential characteristics, do not change and the products(s), and the manufacturing conditions in the plants(s) are not modified significantly.

For and on behalf of BSI, a Notified
Body for the above Regulation
(Notified Body Number 2797):

Previous Notified Body: BSI 0086

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Drs. Dave Hagenaaars, Managing Director

Latest Issue: 2019-03-26

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...making excellence a habit.™

Certificate of Constancy of Performance

No. 2797 CPR 676744

Manufacturing Plant:

Flextronics International Poland Sp. z o.o.
ul. Malinowska 28
Tczew 83-100,
Poland

Product Information

Battery Powered Smoke Alarms

Model Reference	Type
ST-620	Thermoptek Thermally Enhanced Photoelectric Smoke Alarm with Non-user Replaceable Batteries and Alarm Silence Function
ST-622	Thermoptek Thermally Enhanced Photoelectric Smoke Alarm with Non-user Replaceable Batteries and Alarm Silence Function
ST-622-DE	Thermally Enhanced Photoelectric Smoke Alarm with Non-User Replaceable Batteries and Alarm Silence Function. vfdb 14/01:2010-05(01) version
ST-623E	Thermoptek Thermally Enhanced Photoelectric Smoke Alarm with Escape Light and User Replaceable Battery.
ST-750	Thermoptek Thermally Enhanced Photoelectric Smoke Alarm with Non-user Replaceable Batteries and Alarm Silence Function

Mains Powered Smoke Alarms

Model Reference	Type
SM-SN-1	Thermoptek Thermally Enhanced Photoelectric Smoke Alarm with Non-user Replaceable Lithium Battery Backup and Interconnect Function.
WSM-SN-1	Thermoptek Thermally Enhanced Photoelectric Smoke Alarm with Non-user Replaceable Lithium Battery Backup, RF and Hard-wired Interconnect Function.

Note¹: The ST-620, ST-622, ST-623E, ST-622-DE, ST-750, SM-SN-1 & WSM-SN-1 are thermally enhanced and do not provide for standalone heat detection.

Note²: The ST-620, ST-622, ST623E, ST-750 & ST-622-DE meet the requirements of Annex L and are therefore certified as suitable for use in Leisure Accommodation Vehicles (LAV's).

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FireAngel Model	Alternative Branded Model	Brand / Supplier
SM-SN-1	SM-F-1EU	FireAngel
	ST-230	FireAngel
ST-620	5TC1292-2	Siemens AG
	ST-AE620	AngelEye
ST-622	ST-AE622	AngelEye
	5TC1292-5	Siemens AG
ST-623E	ST-AE623E	AngelEye
ST-750	ST-AE750	AngelEye
WSM-SN-1	WSM-F-1EU	FireAngel
	WST-230	FireAngel



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Approval also includes the certified model number with one of the following suffixes to denote the language / country variant or specific brand:

Suffix	Country Variant	Suffix	Country Variant
-AT	Austria	-AUS	Australia
-BE	Belgium	-BNL	Dual Language Belgium & Netherlands
-CEU	Central Europe	-DE	Germany
-DK	Denmark	-EEU	Eastern Europe
-EU	Generic European Variant	-ES	Spain
-FI	Finland	-FR	France
-FF	Contains Fast Fit Bracket	-HU	Hungary
-INT	International	-IT	Italy
-NEU	Northern Europe	-NL	Netherlands
-NO	Norway	-PL	Poland
-Q	B&Q	-R	Retail
-SC	Scandinavia	-SE	Sweden
-SEU	Southern Europe	-SV	ServeCount variant (Germany)
-T	Trade	-V	VdS



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Appendix 1

Harmonised Technical Specification		EN 14604:2005
Essential Characteristics	Performance	Clause
Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions		
Smoke alarm signals	Pass	4.12
Inter-connectable smoke alarms	Pass	4.18
Repeatability	Pass	5.2
Directional dependence	Pass	5.3
Initial sensitivity	Pass	5.4
Air movement	Pass	5.5
Dazzling	Pass	5.6
Fire sensitivity	Pass	5.15
Sound output	Pass	5.17
Sounder durability	Pass	5.18
Inter-connectable smoke alarms	Pass	5.19
Alarm silence facility	Pass	5.20
Operational Reliability		
Compliance	Pass	4.1
Individual alarm indicator	Pass	4.2
Mains on indicator	Pass	4.3
Connection of external ancillary devices	Pass	4.4
Means of calibration	Pass	4.5
User replaceable components	Pass	4.6
Normal power source	Pass	4.7
Standby power source	Pass	4.8
Electrical safety requirements	Pass	4.9, 5.24
Routine test facility	Pass	4.10
Terminals for external conductors	Pass	4.11
Battery removal indication	Pass	4.13

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Appendix 1 (continued)

Harmonised Technical Specification	EN 14604:2005	
Essential Characteristics	Performance	Clause
Operational Reliability		
Battery connections	Pass	4.14
Battery capacity	Pass	4.15
Protection against the ingress of foreign bodies	Pass	4.16
Additional requirements for software controlled smoke alarms	Pass	4.17
Marking and data	Pass	4.19
Impact	Pass	5.11
Battery fault warning	Pass	5.16
Battery reversal	Pass	5.22
Backup power source	Pass	5.23
Tolerance to supply voltage		
Variation in supply voltage	Pass	5.21
Durability of Operational Reliability		
Dry heat	Pass	5.7
Cold (operational)	Pass	5.8
Damp heat (operational)	Pass	5.9
Sulphur dioxide (SO ₂) corrosion	Pass	5.10
Vibration (operational)	Pass	5.12
Vibration (endurance)	Pass	5.13
Durability of Operational Reliability, Electrical Stability		
Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.14

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Manufacturing Plant

Flextronics International
Poland Sp. z o.o
ul. Malinowska 28
Tczew
83-100
Poland

Certified Activities

EN 14604: 2005 + AC: 2008
Smoke Alarm Devices



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