



DECLARATION OF PERFORMANCE

No. GS526G-CPR-001

- 1 Unique identification of the product: Smoke alarm GS526
- 2 Intended use: Fire Safety
- 3 Manufacturer: Siterwell Electronics CO., Limited
No. 666 Qingfeng Road, Jiangbei District,
Ningbo, Zhejiang Province, China
- 4 System of AVCP: System 1
- 5 Harmonized standard: EN 14604:2005/AC:2008
Notified body: 0786
- 6 Declared performances:

Essential Characteristics	Performance	Harmonized technical specification
Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions ⁽¹⁾		
<u>Smoke alarm signals</u>	PASS	EN 14604:2005/AC:2008 cl 4.12
<u>Inter-connectable smoke alarms</u>	NPD	EN 14604:2005/AC:2008 cl 4.18
<u>Repeatability</u>	PASS	EN 14604:2005/AC:2008 cl 5.2
<u>Directional dependence</u>	PASS	EN 14604:2005/AC:2008 cl 5.3
<u>Initial sensitivity</u>	PASS	EN 14604:2005/AC:2008 cl 5.4
<u>Air movement</u>	PASS	EN 14604:2005/AC:2008 cl 5.5
<u>Dazzling</u>	PASS	EN 14604:2005/AC:2008 cl 5.6
<u>Fire sensitivity</u>	PASS	EN 14604:2005/AC:2008 cl 5.15
<u>Sound output</u>	PASS	EN 14604:2005/AC:2008 cl 5.17
<u>Sounder durability</u>	PASS	EN 14604:2005/AC:2008 cl 5.18
<u>Inter-connectable smoke alarms</u>	NPD	EN 14604:2005/AC:2008 cl 5.19
<u>Alarm silence facility (optional)</u>	NPD	EN 14604:2005/AC:2008 cl 5.20
<u>Operating reliability</u>		
<u>Compliance</u>	PASS	EN 14604:2005/AC:2008 cl 4.1
<u>Individual alarm indicator (optional)</u>	PASS	EN 14604:2005/AC:2008 cl 4.2
<u>Mains-on indicator</u>	NPD	EN 14604:2005/AC:2008 cl 4.3
<u>Connection of external ancillary devices</u>	NPD	EN 14604:2005/AC:2008 cl 4.4
<u>Means of calibration</u>	PASS	EN 14604:2005/AC:2008 cl 4.5
<u>User replaceable components</u>	PASS	EN 14604:2005/AC:2008 cl 4.6
<u>Normal power source</u>	PASS	EN 14604:2005/AC:2008 cl 4.7
<u>Standby power source</u>	NPD	EN 14604:2005/AC:2008 cl 4.8
<u>Electrical safety requirements</u>	PASS	EN 14604:2005/AC:2008 cl 4.9
<u>Routine test facility</u>	PASS	EN 14604:2005/AC:2008 cl 4.10
<u>Terminals for external conductors</u>	NPD	EN 14604:2005/AC:2008 cl 4.11
<u>Battery removal indication</u>	PASS	EN 14604:2005/AC:2008 cl 4.13
<u>Battery connections</u>	PASS	EN 14604:2005/AC:2008 cl 4.14
<u>Battery capacity</u>	PASS	EN 14604:2005/AC:2008 cl 4.15
<u>Protection against the ingress of foreign bodies</u>	PASS	EN 14604:2005/AC:2008 cl 4.16
<u>Additional requirements for software controlled smoke alarms</u>	NPD	EN 14604:2005/AC:2008 cl 4.17
<u>Marking and data</u>	PASS	EN 14604:2005/AC:2008 cl 4.19
<u>Impact</u>	PASS	EN 14604:2005/AC:2008 cl 5.11
<u>Battery fault warning</u>	PASS	EN 14604:2005/AC:2008 cl 5.16
<u>Battery reversal</u>	NPD	EN 14604:2005/AC:2008 cl 5.22
<u>Back-up power source</u>	NPD	EN 14604:2005/AC:2008 cl 5.23



SITERWELL ELECTRONICS CO., LIMITED
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Electrical safety – assessment and testing to determine the adequacy of personal protection against hazardous currents passing through the human body (electric shock), excessive temperature and the start and spread of fire	PASS	EN 14604:2005/AC:2008 cl 5.24
Tolerance to supply voltage		
<u>Variation in supply voltage</u>	<u>PASS</u>	<u>EN 14604:2005/AC:2008 cl 5.21</u>
Durability of operational reliability and response delay, temperature resistance		
<u>Dry heat</u>	<u>PASS</u>	<u>EN 14604:2005/AC:2008 cl 5.7</u>
<u>Cold (operational)</u>	<u>PASS</u>	<u>EN 14604:2005/AC:2008 cl 5.8</u>
Durability of operational reliability: vibration resistance		
<u>Vibration (operational)</u>	<u>PASS</u>	<u>EN 14604:2005/AC:2008 cl 5.12</u>
<u>Vibration (endurance)</u>	<u>PASS</u>	<u>EN 14604:2005/AC:2008 cl 5.13</u>
Durability of operational reliability: humidity resistance		
<u>Damp heat (operational)</u>	<u>PASS</u>	<u>EN 14604:2005/AC:2008 cl 5.9</u>
Durability of operational reliability: corrosion resistance		
<u>Sulphur dioxide (SO2) corrosion</u>	<u>PASS</u>	<u>EN 14604:2005/AC:2008 cl 5.10</u>
Durability of operational reliability, electrical stability		
Electromagnetic Compatibility (EMC), immunity tests (operational)	PASS	EN 14604:2005/AC:2008 cl 5.14

(1)

The products covered by this standard are assumed to operate, in an event of fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Kaven Wang
CEO Siterwell Electronics CO., Limited
Ningbo, 05-03-2018

