

# Certificate of Constancy of Performance

This is to certify that:

Walter Kidde Portable Equipment Inc.  
1016 Corporate Park Drive  
Mebane  
North Carolina  
27302  
USA

Holds Certificate Number:

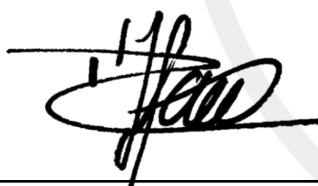
2797 CPR 535595

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 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product(s). This certificate was first issued on the date below and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

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



Drs. Dave Hagenaaars, Managing Director

First Issued: 2008-05-15

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# Certificate of Constancy of Performance

No. 2797 CPR 535595

Manufacturing Plant: **Dongguan Fyrnetics Co.,Ltd.**  
No.1 Rongwen Road  
Changan Town  
Dongguan  
Guangdong  
523842  
China

## Product Information

### Battery Powered Smoke Alarms

Model Reference	Type
10Y29	Photoelectric Smoke Alarm with Alarm Silence Function and Non-replaceable Long Life Battery
10SCO	Combined Photoelectric Smoke and CO Alarm with Alarm Silence Function and User -replaceable Battery

**Note** <sup>1</sup>: The 10Y29 battery powered smoke alarm is suitable for use with Sticky Pad type: 1.37.92.

### Mains Powered Smoke Alarms

Model Reference	Type
1SFW	Ionisation Smoke Alarm with Back-up Battery, Interconnect and Alarm Silence Function
1SFWR	Ionisation Smoke Alarm with Re-chargeable Battery Back-up, Interconnect and Alarm Silence Function
2SFW	Photoelectric Smoke Alarm with Alarm Silence and Back-up Battery
2SFWR	Photoelectric Smoke Alarm with Alarm Silence and Non-Replaceable Battery Back-up
KF10	Ionisation Smoke Alarm with Replaceable Battery Back-up, Interconnect and Alarm Silence Function
KF10R	Ionisation Smoke Alarm with Non-replaceable rechargeable lithium Battery Back-up, Interconnect and Alarm Silence Function
KF10LL	Ionisation Smoke Alarm with Replaceable Lithium Battery Back-up, Interconnect and Alarm Silence Function

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## Product Information

### Mains Powered Smoke Alarms (continued)

Model Reference	Type
KF20	Photoelectric Smoke Alarm with Replaceable Battery Back-up, Alarm Silence and Interconnect Function
KF20R	Photoelectric Smoke Alarm with Alarm Silence and Interconnect Function and non-replaceable Rechargeable Lithium Battery Back-up
KF20LL	Photoelectric Smoke Alarm with Replaceable Lithium Battery Back-up, Alarm Silence and Interconnect Function

**Note 2:** The RF-SFTP RF mounting base is suitable for use with the 2SFW and 2SFWR smoke alarms.

Fyrnetics Model Reference	Alternative Branded Model Reference	Supplier / Brand
10Y29	NH10SM	Kidde / NightHawk

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## Appendix 1

Harmonised Technical Specification		EN 14604:2005/AC:2008
Essential Characteristics	Performance	Clause
<b>Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions</b>		
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
<b>Operational Reliability</b>		
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
Battery connections	Pass	4.14

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## Appendix 1 (continued)

Harmonised Technical Specification		EN 14604:2005/AC:2008
Essential Characteristics	Performance	Clause
<b>Operational Reliability</b>		
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
<b>Tolerance to supply voltage</b>		
Variation in supply voltage	Pass	5.21
<b>Durability of Operational Reliability</b>		
Dry heat	Pass	5.7
Cold (operational)	Pass	5.8
Damp heat (operational)	Pass	5.9
Sulphur dioxide (SO <sub>2</sub> ) corrosion	Pass	5.10
Vibration (operational)	Pass	5.12
Vibration (endurance)	Pass	5.13
<b>Durability of Operational Reliability, Electrical Stability</b>		
Electromagnetic compatibility (EMC), immunity (operational)	Pass	5.14

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