FireAngel SAFETY TECHNOLOGY

Declaration of Performance

Declaration of Performance

According to Construction Products Regulation EU No 305/2011

FSTDOP25016

1. ***Product family:***
   See Annex A

2. ***Intended use:***

   Fire Safety - Thermoptek optical smoke alarm device for residential applications

3. ***Name, Registered Trade Name and address of Manufacturer*:**

   FireAngel Safety Technology Limited
   Vanguard Centre, Sir William Lyons Road
   Coventry, CV4 7EZ, UK

   EU Importer

   FireAngel Safety Technology Europe B.V.
   Concertgebouwplein 15 H,
   1071LL Amsterdam
   Netherlands

4. ***Declaration of Performance concerning construction product covered by harmonised standard:***

   EN 14604:2005+AC:2008

5. ***Systems or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V***

   System 1

6. ***Certified by:*** BSI, John M Keynesplein 9, 1066 EP Amsterdam, Netherlands. **NB 2797**

   The certification body performed type testing and the initial inspection of the manufacturing plant and of the factory production control with continuous surveillance assessment and approval of the factory production control and issued the EC certificate of conformity

   Certificate of Constancy of Performance:

   2797-CPR-818334

7. ***Declared performance***

All requirements including essential characteristics and corresponding performances for intended use or uses as described in point 2 and in accordance with essential characteristics listed in the table below (point 8). This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above

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8. ***The performance of the products identified in points 1 and 2 are in conformity with the declared performance in point 7. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above***

Essential Characteristics	EN14604:2005 Clause	Performance
Nominal activation conditions/ Sensitivity, Response delay (response time) and Performance under fire condition	4.12, 4.18, 5.2, 5.3, 5.4, 5.5, 5.6, 5.15, 5.17, 5.18, 5.19	PASS
Operational reliability	4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.15, 4.16, 4.17, 4.19, 5.11, 5.16, 5.23, 5.24	PASS
Tolerance to supply voltage	5.21	PASS
Durability of operational reliability and response delay, temperature resistance	5.7, 5.8	PASS
Durability of operational reliability, vibration resistance	5.12, 5.13	PASS
Durability of operational reliability, humidity resistance	5.9	PASS
Durability of operational reliability, corrosion resistance	5.10	PASS
Durability of operational reliability, electrical stability	5.14	PASS
Note: 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.		

Signed for and on behalf of FireAngel Safety Technology Limited



S J Wall
Product Certification Manager
Coventry, United Kingdom
Date of Issue: 24th January 2025
Revision: - 1.02
Revision Date - 19th September 2025

Annex A

Battery Operated Smoke Alarms	Battery Operated Smoke Alarms	Mains Powered Smoke Alarms
With removeable battery	With Sealed Battery	With battery backup
		FireAngel ST-230N FireAngel WST-230N FireAngel SM-SN-1N FireAngel WSM-SN-1N FireAngel WSM-FN-1EU FireAngel SM-FN-1EU