

DECLARATION OF PERFORMANCE

According to Construction Products Regulation EU N° 305/2011

No. CPR-DOP-301

1. Unique Product identification code:

Fireray3000 and Fireray3000 Exd

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Fireray3000 and Fireray3000 Exd

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

**Smoke detector - Line detector using an optical light beam,
for use in fire detection and alarm systems within buildings**

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

FFE Ltd

9 Hunting Gate, Hitchin, Hertfordshire, SG4 0TJ, UK

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 1

7. In case of the declaration of performance concerning a construction product covered by the harmonized standard, **VdS Schadenverhütung GmbH 0786** 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 under system 1 and issued the EC certificates of conformity:

Fireray3000	0786-CPR-21162
Fireray3000 Exd	0786-CPR-21535

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not applicable, see item 7

9. Declared performance:

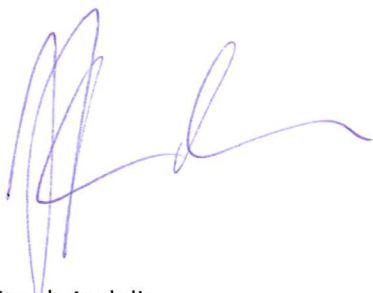
All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated in 3. have been determined as described in the hEN mentioned in the following table.

Essential characteristics	Performance	Harmonized Technical Specification EN54-12: 2002
Nominal activation conditions / Sensitivity	Pass	4.5, 4.8, 4.40, 5.2, 5.4, 5.7, 5.8, 5.9, 5.10
Response Delay	Pass	5.3, 5.6
Operational reliability	Pass	4.3*, 4.4, 4.6, 4.7, 5.16, 5.18, 4.9
Tolerance to supply voltage	Pass	5.5
Performance under fire conditions	Pass	4.2
Durability of operational reliability; temperature resistance	Pass	5.11, 5.12
Durability of operational reliability; vibration resistance	Pass	5.15
Durability of operational reliability; humidity resistance	Pass	5.13, 5.14
Durability of operational reliability; corrosion resistance	Pass	5.17
		* Clause 4.3 is not applicable.

10. The performance of the product identified in 1. and 2. is in conformity with the declared performance in 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in 4.

Signed for and on behalf of the manufacturer by:



Jacob Andelin

Technical Director

Hitchin, 31st January 2017