

DECLARATION OF PERFORMANCE

According to Construction Products Regulation EU N° 305/2011

No. CPR-DOP-F00

1. Unique Product identification code:
Flame Detectors – FFE
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):
16501, 16509, 16511, 16519, 16521, 16531, 16541, 16549, 16561, 16571, 16579, 16581, 16589, 16591
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:
Flame detector for use in fire detection and alarm systems
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, 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, **BRE Certification Ltd 0832** 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 constancy of performance:

Manufacturers Reference	Product Type	Certificate Number
16581	IR2 Flame Detector	0832-CPR-F0582
16511	IR2 Flame Detector, Exd	0832-CPR-F0577
16571	IR2 Flame Detector, IS	0832-CPR-F0580
16501	IR2 Flame Detector, SS	0832-CPR-F0582
16541	IR2 Flame Detector, SS, Exd	0832-CPR-F0577
16589	IR3 Flame Detector	0832-CPR-F0583
16519	IR3 Flame Detector, Exd	0832-CPR-F0578
16579	IR3 Flame Detector, IS	0832-CPR-F0581
16509	IR3 Flame Detector, SS	0832-CPR-F0583
16549	IR3 Flame Detector, SS, Exd	0832-CPR-F0578
16591	UV/IR2 Flame Detector	0832-CPR-F0584
16521	UV/IR2 Flame Detector, Exd	0832-CPR-F0579
16531	UV/IR2 Flame Detector, SS	0832-CPR-F0584
16561	UV/IR2 Flame Detector, SS, Exd	0832-CPR-F0579

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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:

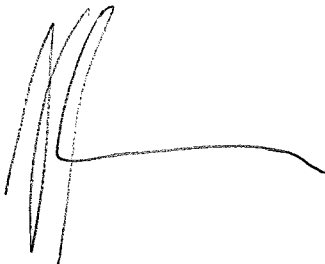
All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated in 3. have been determined as described in the hEN mentioned in the following table.

Essential characteristics	Performance	Harmonized Technical Specification EN54-10:2002 +A1:2005
Nominal activation conditions / Sensitivity, Response delay (response time) and Performance under fire conditions	Pass	4.2, 5.2 to 5.6
Operational reliability	Pass	4.3 to 4.9
Tolerance to supply voltage	Pass	5.16
Durability of operational reliability and response delay; temperature resistance	Pass	5.7, 5.8
Durability of operational reliability; vibration resistance	Pass	5.12 to 5.15
Durability of operational reliability; humidity resistance	Pass	5.9, 5.10
Durability of operational reliability; corrosion resistance	Pass	5.11
Durability of operational reliability; electrical stability	Pass	5.17

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
21st October 2016