

**CERTIFICATE OF CONSTANCY OF PERFORMANCE**

Issued by DBI Certification, notified body No. 2531.

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 construction product

**55000-295 Analogue Addressable IR2 (Exd) Flameproof Flame Detector**

The product fulfils the essential characteristic:

**See Annex 1**

Intended use: Applications related to automatic fire alarm systems

Placed on the market under the name or trade mark of:

**Apollo Fire Detectors Limited**  
**36 Brookside Road, Havant, Hampshire, PO9 1JR, UK**

and produced in the manufacturing plant:

**FFE Ltd**  
**9 Hunting Gate, Wilbury Way, Hitchin, Hertfordshire, SG4 0TJ, UK**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

**EN 54-10:2002/A1:2005** : **Fire detection and fire alarm systems - Part 10: Flame detectors - Point detectors**

under system 1 for the performance set out in this certificate are applied and that the performance of the construction product is assessed to remain constant.

The attached annexes form part of this certificate.

Date of issue: **2020-03-18**.

This certificate will remain valid as long as neither the harmonized 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.

This certificate was first issued 2020-03-18.



Merete Poulsen  
Responsible for evaluation



Allan Laursen  
Responsible for certification decision

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**DBI Certification A/S**

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Annex 1

**EXTENT**

**Type:**

55000-295 Analogue Addressable IR2 (Exd) Flameproof Flame Detector

**Ancillaries:**

29600-203 – Adjustable Mounting Bracket

**Classification:**

Class 1 only

**Performance**

Essential characteristics	Clauses in EN 54-10:2002	Performance
Nominal activation conditions/Sensitivity, Response delay (response time) and Performance under fire conditions	4.2, 5.2 to 5.6	Pass
Operational reliability	4.3 to 4.9	Pass
Tolerance to supply voltage	5.16	Pass
Durability of operational reliability and response delay; temperature resistance	5.7, 5.8	Pass
Durability of operational reliability; vibration resistance	5.12 to 5.15	Pass
Durability of operational reliability; humidity resistance	5.9, 5.10	Pass
Durability of operational reliability; corrosion resistance	5.11	Pass
Durability of operational reliability; electrical stability	5.17	Pass

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Annex 2

**TEST DOCUMENTATION**

Accredited Laboratory	Report no.	Date
BRE	TE P100812-1001 Revision: 1	07 June 2017
BRE	TE239408	04 September 2008
BRE	TE291940	20 June 2014

**TECHNICAL BASIS**

File Number	Title
A1/1468/03 Rev. A	ATEX - FLAME SENSOR, Circuit Diagram (Main PCB)
A2/1510/03 Rev. A	Series 016000 LED Display PCB
IR2 FLAME DET ADDR EXD APO 16611-01-03(1)	Critical Component list

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