

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 Ltd.,
36 Brookside Road,
GB-P09 1JR Havant, Hampshire
United Kingdom**

and produced in the manufacturing plant:

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

This attests that all provisions concerning the performance described in Annex ZA of the standard(s)

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 factory production control conducted by the manufacturer is assessed to ensure the

CONSTANCY OF PERFORMANCE OF THE CONSTRUCTION PRODUCT.

This certificate was first issued on 2020-03-18 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

The attached annexes form part of this certificate.

Date of issue: **2024-06-11**.

(This certificate supersedes the previous version of this certificate issued 2020-03-18)



Chris Ellis
Responsible for evaluation



Merete Poulsen
Responsible for certification decision

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

Annex 2

TEST DOCUMENTATION

Accredited Laboratory	Report no.	Date
BRE	TE P100812-1001 Revision: 1	2017-06-07
BRE	TE239408	2008-09-04
BRE	TE291940	2014-06-20
BRE	TE-P118640-1000, issue 1, rev. 2	2024-04-17

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
16611-01-03(1)	IR2 FLAME DET ADDR EXD APO Critical Component list
14601-07 IR2	Adressable PCBA Module BOM List
16611-01-07	XP95 Ex d IR2 (Apollo) Finished Goods Assembly BOM list