

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

FL5100-600 Soteria Dimension Optical 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:

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

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

EN 54-7:2000/A1:2002/A2:2006 : **Fire detection and fire alarm systems - Part 7: Smoke detectors - Point detectors using scattered light, transmitted light or ionization**
EN 54-17:2005 : **Fire detection and fire alarm systems - Part 17: Short-circuit isolators**

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: **2019-10-09**.

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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.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 2019-10-09.



Merete Poulsen
Responsible for evaluation



Allan Laursen
Responsible for certification decision

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DBI Certification A/S

Jernholmen 12, 2650 Hvidovre
Tlf.: 36 34 90 90

E-mail: info@dbicertification.dk
www.dbicertification.dk

Annex 1

EXTENT

Type:

FL5100-600 Soteria Dimension Optical Detector

Note:

1. Soteria Dimension Optical Detector Faceplate Accessory Black (43785-345)

Ancillaries:

FL5000-200 Soteria Dimension Backbox

Performance

Essential characteristics	Clauses in EN 54-7:2000	Performance
Nominal activation conditions/Sensitivity, Response delay (response time) and Performance under fire conditions	4.8, 5.2, 5.3, 5.4, 5.6, 5.7, 5.18	Pass
Operational reliability	4.2 to 4.7, 4.9 to 4.11	Pass
Tolerance to supply voltage	5.5	Pass
Durability of operational reliability and response delay; temperature resistance	5.8, 5.9	Pass
Durability of operational reliability; vibration resistance	5.13 to 5.16	Pass
Durability of operational reliability; humidity resistance	5.10, 5.11	Pass
Durability of operational reliability; corrosion resistance	5.12	Pass
Durability of operational reliability; electrical stability	5.17	Pass

Essential characteristics	Clauses in EN 54-17:2005	Performance
Performance under fire conditions	5.2 1)	Pass
Operational reliability	4	Pass
Durability of operational reliability; temperature resistance	5.4, 5.5	Pass
Durability of operational reliability; vibration resistance	5.9 to 5.12	Pass
Durability of operational reliability; humidity resistance	5.6, 5.7	Pass
Durability of operational reliability; corrosion resistance	5.8	Pass
Durability of operational reliability; electrical stability	5.3, 5.13	Pass

1) This is assuming that the effect of the fire is to cause a short circuit in the transmission path that is protected by these devices

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Annex 2

TEST DOCUMENTATION

Accredited Laboratory	Report no.	Date
BRE	SW-E123155-1000 Issue: 1	16 May 2017
BRE	TE-E123155-1000 Issue: 1	17 May 2017
BRE	TE-E123155-1000 Issue: 2	3 November 2017
BRE	TE-P109731-1001 Issue: 1	21 November 2017

TECHNICAL BASIS

File Number	Title
FL5100-600 FL5000-200	Build Standard Build Standard

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