Certificate No.: 2531-CPR-CSP11158

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

Orbis IS Optical conventional intrinsically safe optical smoke detector (Approval Reference* 50007) for use in fire detection and alarm systems

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

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: **2019-10-28**.

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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.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 2019-10-28.

Merete Poulsen
Responsible for evaluation

Allan Laursen
Responsible for certification decision

Prod. Reg. Nr. 7023

DBI Certification A/S
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Annex 1

EXTENT

Type:
Orbis IS Optical conventional intrinsically safe optical smoke detector (Approval Reference 50007) for use in fire detection and alarm systems

Variants:
ORB-OP-52027-APO Orbis intrinsically safe optical smoke detector with SensAlert, FasTest and DirtAlert
ORB-OP-52028-APO Orbis intrinsically safe optical smoke detector with Flashing LED, SensAlert, FasTest and DirtAlert

Bases:
Base style 'OB(+ATEX marking)' part numbers:
ORB-MB50018-APO TimeSaver IS base

Ancillaries:
ORB-MB-50008-APO Orbis intrinsically safe adapter base (to be used in conjunction with the following base(s) only: 45681-207)

*The Apollo 'Approval Reference Number' identifies a group of detectors that all have the same physical construction, but have features enabled or disabled via their software, and/or regional marking variations.

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

Annex 2

TEST DOCUMENTATION

Accredited Laboratory	Report no.	Date
BRE BRE BRE	TE 230077-1 P101167-1001 Issue: 1 TE287730	15 August 2015 14 August 2015 16 August 2013

TECHNICAL BASIS

File Number	Title
400-OP-00013 ORB-MB50018	Build Standard Build Standard no. 300-MA-00011

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