

**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 Class A1R conventional intrinsically safe heat detector (Approval Reference\* 50001) 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 54-5:2000/A1:2002** : **Fire detection and fire alarm systems - Part 5: Heat 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: **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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.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

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**DBI Certification A/S**

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Annex 1

**EXTENT**

**Type:**

Orbis IS Class A1R conventional intrinsically safe heat detector (Approval Reference 50001) for use in fire detection and alarm systems

**Variants:**

ORB-HT-51145-APO Orbis Intrinsically safe class CS heat detector with SensAlert and FasTest  
 ORB-HT-51146-APO Orbis Intrinsically safe class CS heat detector with Flashing LED, SensAlert and FasTest

**Bases:**

Base style 'OB (+ATEX marking)' part numbers:  
 ORB-MB-50018-APO TimeSaver IS base

**Ancillaries:**

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

**Heat Classifications:**

Class A1R

\*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 54-5:2000   | Performance |
|---|---|-------------|
| Nominal activation conditions/Sensitivity, Response delay (response time) and Performance under fire conditions | 4.2, 4.3, 5.2 to 5.6, 5.8, 6.1, 6.2 (6.1 only Suffix S det./6.2 only Suffix R det.) | Pass        |
| Operational reliability   | 4.4 to 4.11   | Pass        |
| Tolerance to supply voltage   | 5.7   | Pass        |
| Durability of operational reliability and response delay; temperature resistance                                | 5.9, 5.10   | Pass        |
| Durability of operational reliability; vibration resistance   | 5.14 to 5.17  | Pass        |
| Durability of operational reliability; humidity resistance  | 5.11, 5.12  | Pass        |
| Durability of operational reliability; corrosion resistance   | 5.13  | Pass        |
| Durability of operational reliability; electrical stability   | 5.18  | Pass        |

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Annex 2

**TEST DOCUMENTATION**

| Accredited Laboratory | Report no.  | Date           |
|-----------------------|-------------|----------------|
| BRE                   | TE 227758-1 | 15 August 2006 |

**TECHNICAL BASIS**

| File Number                  | Title   |
|------------------------------|---|
| 400-HT-00011<br>ORB-MB-50018 | Build Standard<br>Build Standard no. 300-MA-00011 |

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