

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 Class A1R Conventional Heat Detectors

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: **2019-10-09**

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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.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

The certificate shall be reproduced in extenso
– extracts only with written permission from DBI Certification A/S.

Annex 1

EXTENT

Type:

Orbis Class A1R Conventional Heat Detectors

Variants:

ORB-HT-11001-APO Orbis Class A1R Heat Detector with SensAlert and FasTest
 ORB-HT-11013-APO Orbis Class A1R Heat Detector with Flashing LED, SensAlert and FasTest
 OEX-HT-11037-APO Orbis Class A1R Heat Detector with Flashing LED and SensAlert
 OEX-HT-11089-APO Orbis Class A1R Heat Detector with SensAlert

Bases:

OB: ORB-MB-00001-APO TimeSaver base
 OL: ORB-MB-00002-APO TimeSaver base LX (without continuity checking link)
 OD: ORB-DB-00003-APO TimeSaver diode base
 OR: ORB-RB-10004-APO TimeSaver relay base
 XL: ORB-MB-00012-APO & OEX-MB-00016-APO LX bases
 EB: ORB-MB-00019-APO TimeSaver deep base

Ancillary:

ORB-BA-10008-APO Adaptor Base (to be used in conjunction with the following bases only: 45681-200 & 45681-201)

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 |

The certificate shall be reproduced in extenso
 – extracts only with written permission from DBI Certification A/S.

Annex 2

TEST DOCUMENTATION

| Accredited Laboratory | Report no. | Date |
|--------------------------|--|---|
| BRE BRE BRE BRE | 211499 TE210363SW 211499SW/A 211499SW/A | 05 January 2004 01 May 2003 22 December 2004 29 March 2004 |

TECHNICAL BASIS

| File Number | Title |
|--|--|
| 400-HT-00001 400-HT-00002 ORB-MB-00001 ORB-MB-00002 ORB-DB-00003 ORB-RB-10004 ORB-MB-00012 ORB-MB-00019 | Build Standard Build Standard Build Standard Build Standard Build Standard Build Standard Build Standard Build Standard |

The certificate shall be reproduced in extenso
 – extracts only with written permission from DBI Certification A/S.

