

**EC-TYPE EXAMINATION (MODULE B) CERTIFICATE**

This is to certify that:

DBI Certification did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

|                                          |                                                                                                                                                                                                |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Manufacturer Address</b>              | Apollo Fire Detectors Ltd.<br>36 Brookside Road<br>Havant, Hampshire, GB-P09 1JR<br>United Kingdom                                                                                             |
| <b>Authorised Representative Address</b> | Apollo Fire Detectors Gesellschaft für Meldetechnologie mbH<br>Am Anger 31<br>33332 Gütersloh<br>Germany                                                                                       |
| <b>Directive Reference</b>               | MED Directive 2014/90/EU , Regulation as amended by MED (EU) 2022/1157.                                                                                                                        |
| <b>Regulation Item</b>                   | MED 3.51 Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces. |
| <b>Product Type</b>                      | (c) heat detectors - point detectors                                                                                                                                                           |
| <b>Product Description</b>               | See product description on page 2.                                                                                                                                                             |
| <b>Specified Standards</b>               | EN 54-5:2017 incl. A1:2018, IEC 60092-504:2016, IEC 60533:2015                                                                                                                                 |

**The attached (*schedule of approval*) forms part of this certificate.**

**This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.**

|               |            |                                                           |
|---------------|------------|-----------------------------------------------------------|
| Date of issue | 2022-08-31 | Issued by DBI Certification Notified Body No. <b>2531</b> |
| Expiry date   | 2027-08-31 |                                                           |

*This certificate was first issued 2022-08-31*

Signed

Name



Merete Poulsen  
Responsible for evaluation



Steen Nilsson  
Responsible for certification decision

**Notes:**

*This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with, the notified body named on this certificate.*

*During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards of the Commission Implementing Regulation may change, therefore the product conformity may need to be re-assessed by the Notified Body.*

*The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of the Directive is fully complied with.*

*In case limitations of use apply, these should be indicated of in the Annex*

*This certificate is issued under the authority of the Danish Maritime Authority.*

(Annex)

## **Schedule of Approval**

### **Product Description**

Orbis Conventional Range of Heat Detectors:

ORB-HT-41001-MAR class A1R heat detector with SensAlert/FasTest  
ORB-HT-41002-MAR class A2S heat detector with SensAlert/FasTest  
ORB-HT-41003-MAR class BR heat detector with SensAlert/FasTest  
ORB-HT-41004-MAR class BS heat detector with SensAlert/FasTest  
ORB-HT-41005-MAR class CR heat detector with SensAlert/FasTest  
ORB-HT-41006-MAR Class CS Heat Detector with SensAlert/FasTest  
ORB-HT-41013-MAR class A1R heat detector with flashing LED/SensAlert/FasTest  
ORB-HT-41014-MAR class A2S heat detector with flashing LED/SensAlert/FasTest  
ORB-HT-41015-MAR class BR heat detector with flashing LED/SensAlert/FasTest  
ORB-HT-41016-MAR class BS heat detector with flashing LED/SensAlert/FasTest  
ORB-HT-41017-MAR class CR heat detector with flashing LED/SensAlert/FasTest  
ORB-HT-41018-MAR class CS heat detector with flashing LED/SensAlert/FasTest

### **Product Classification**

EN 54-5:2017 incl. A1:2018, IEC 60092-504:2016, IEC 60533:2015

Ratings:

Heat Detectors Nominal voltage: 8.5 to 33V DC (nonpolarised);

Operating temperature: -40 °C to 70 °C

### **Application / Limitation of Product**

Ex certification is not covered by this certificate. Application or installation in hazardous area to be approved in each case according to Ex certification / Special condition for safe use listed in valid Ex certificate issued by a notified/recognized Certification Body

### **Type Approval Documentation**

Test report no:

211499, dated 2004-01-05, BRE

TE-P105641-1001 Issue: 1, dated 2018-10-31, BRE Global

TL18051A, dated 2018-07-17, MS Testing

18R110 ER Issue 1, dated 2018-03-26, Hursley EMC Services Ltd.

Tested according to:

EN 54-5:2001/A1:2002

IEC 60092-504:2016

IEC 60945:4 edition, 2002

Documents:

400-HT-00001 Build Standard

400-HT-00002 Build Standard

20-1966606-PDA Product Design Assessment

### **Marking of Product**

The product or packing is to be marked with name of manufacturer, type designation, technical rating and Mark of Conformity.

The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

### **End of Certificate**