



EC Type Examination Certificate

Notified Body 2843

This is to certify that ABS ITALY S.R.L. did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

ITEM NUMBER: MED/3.51c

IMPLEMENTING REGULATIONS (EU) 2018/773

CERTIFICATE NUMBER: 11-792467-7-EC7

MANUFACTURER: Apollo Fire Detectors Ltd

MANUFACTURER'S LOCATION: Hampshire, UK

AUTHORIZED REPRESENTATIVE: Apollo Fire Detectors (Germany Office)

PRODUCT DESIGNATION: Fixed Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces
Heat detectors - Point detectors

STANDARDS AND REGULATIONS: European Union Marine Equipment Directive 2014/90/EU referencing testing requirement of implementing regulation 2019/1397.
SOLAS 74 Reg. II-2/7; SOLAS 74 Reg. X/3; IMO Res. MSC.98(73)-(FSS Code)9;
IMO Res.MSC.36(63)-(1994 use Code) 7; IMO Res.MSC.97(73)-(2000 HSC Code) 7;
IMO Res. MSC.391(95)-(IGF Code) 11, IMO MSC.1/Circ.1242;
EN 54-5 (2000) including A1(2002);
IEC 60092-504 (2016), IEC 60533 (2015)

THIS CERTIFICATE IS ISSUED IN COMPLIANCE WITH CONFORMITY ASSESSMENT **MODULE B** OF THE REGULATIONS AND DIRECTIVES LISTED ABOVE.

ISSUE DATE: 30-oct-2020

EXPIRATION DATE: 31-aug-2022

ELECTRONICALLY
SIGNED BY: E. Brina

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.

Should the specified regulations or standards be amended during the period of validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on the market and on board vessels to which the amended regulations or standards apply.

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 B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

The attached document schedule forms part of this Certificate.

This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.

Entry Date: 30-oct-2020

**Name of Equipment
Manufacturer:**

Apollo Fire Detectors Ltd
36 Brookside Road
Havant, Hampshire
PO9 1JR United Kingdom
Tel: +44 (0) 2392442732
Email: francesca.stott@apollo-fire.com
Website: www.apollo-fire.com

Manufacturer site: N/A

Authorized representative:

Apollo Fire Detectors (Germany Office)
Gesellschaft für Meldetechnologie mbH
Am Anger 31
33332 Gütersloh
Germany
Tel. +49 5241 33060

Equipment/Component:

Fixed Fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces:
- Heat detectors

Model:

Apollo Orbis conventional range of Heat detectors

Description:

The Orbis range detectors are microprocessor-based conventional fire detection units comprising:
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
ORB-HT-41006-MAR Class CS Heat Detector with SensAlert/FasTest
ORB-HT-41006-MAR Class CS Heat Detector with SensAlert/FasTest

Intended Service:

Conventional fire detection systems for marine and offshore applications in machinery and accommodation spaces.

ABS ITALY SRL - Attachment to Certificate No. 11-792467-7-EC7

Page 3 of 3

Ratings:

Heat Detectors Nominal voltage: 8.5 to 33V DC (non-polarised);
Operating temperature: -40 C to 70 °C;

Standards:

European Union Marine Equipment Directive 2014/90/EU referencing testing requirement of implementing regulation 2019/1397

SOLAS 74 Reg. II-2/7; SOLAS 74 Reg. X/3; IMO Res. MSC.98(73)-(FSS Code)9;
IMO Res.MSC.36(63)-(1994 use Code) 7; IMO Res.MSC.97(73)-(2000 HSC Code) 7;
IMO Res. MSC.391(95)-(IGF Code) 11, IMO MSC.1/Circ.1242;
EN 54-5 (2000) including A1(2002);
IEC 60092-504 (2016), IEC 60533 (2015)

Service Restrictions/Limitations:

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.

Comments:

Should the specified regulations or standards be amended during the validity of this certificate, the products are to be re-approved prior to being placed on board vessels to which the amended regulations or standards apply.

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

A Manufacturer's Declaration of Conformity shall be compiled and distributed in line with the requirements of Directive 2014/90/EU Article 16.

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.

Revisions:

Certificate N°. 11-792467-7-EC7, replaces Certificate N°. 11-LD792467-6-EC7 Dated: 01-sep-2020

Drawing Schedule:

Drawing No	Description
20-1966606-PDA	PRODUCT DESIGN ASSESSMENT