

EC Type Examination Certificate

Notified Body 0729

This is to certify that ABS Europe Ltd., as a Notified Body under the authorization of UK MCA by Merchant Shipping Equipment Regulation, SI 1999, Number 1957 and M Notice Number 1734, as amended, did undertake the relevant type examination procedure of the product listed and same was found to be in compliance with the provisions of these Regulations and EU Directive 96/98/EC of 20 December 1996 as amended by EU Directive

2009/26/EC

ANNEX A.1 ITEM NUMBER: A.1/3.51

CERTIFICATE NUMBER: 11-LD792467-EC1

APPLICANT: Apollo Fire Detectors Ltd.

PLANT LOCATION: Hampshire, UK

PORT OFFICE: Southampton, UK

PRODUCT DESIGNATION: Fixed fire detection and fire alarm system components
Model: Apollo Analogue Addressable range of Flame/Smoke/Heat Detectors, Manual Call Points and Accessories.

STANDARDS AND REGULATIONS: Regulation II-2/7 of SOLAS 74 as Amended

IMO Resolution MSC98(73)- (FSS Code) Chapter 9
EN 54-5(2000) including A1 (2002), EN 54-7 (2000) including A1 (2002) and including A1(2006), EN54-10(2002) including A1 (2005) & EN54-11(2001) including A1 (2005),

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

ISSUE DATE: 21 July 2011

EXPIRATION DATE: 06 July 2016

SIGNATURE:  S.C. Sextstone

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 "Mark of Conformity" may only be affixed to the above 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 agreement with a Notified Body.

The attached document list forms part of this Certificate.

This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. ABS Europe Ltd. is a Notified Body under the authorization of UK MCA by Merchant Shipping Equipment Regulation, SI 1999, No. 1957 and M Notice No. 1734, as amended. Compliance with the provisions laid down in EU Directive 96/98/EC of 20 December 1996, as amended, will be determined as governed by the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

ECTEC (rev 3 01/10)

Certificate No.: 11-LD792467-EC1

Entry Date: 21 July 2011

**Name of Equipment/
Component Manufacturer:** Apollo Fire Detectors Ltd.
36 Brookside Road
Havant
Hampshire
England
PO9 1JR

Tel: +44-2392-492-412
Fax: +44-2392-492-754
Website: www.apollo-fire.co.uk

Equipment/Component: Fire Detection System

Model: Apollo Analogue Addressable Range of Flame/Smoke/Heat Detectors,
Manual Call Points and Accessories

Description: Analogue addressable detectors, call points and accessories
45681-210MAR 4inch Addressable Base
45681-211MAR Isolator Base
45681-286MAR 20D Negative Isolating Base
45681-394MAR Sounder Beacon
55000-027MAR UV Flame Detector
55000-028MAR UV/IR2 Flame Detector
55000-029MAR IR3 Flame Detector
55000-034MAR IR3 Flame Detector
55000-181MAR DIN Rail 8 amp Sounder Controller
55000-700MAR Short Circuit Isolator
55000-720MAR 20D Negative Short Circuit Isolator
55000-721MAR 20D Negative Isolator
55000-770MAR DIN Rail Dual Isolator
55000-771MAR DIN Rail Output Unit
55000-772MAR DIN Rail Switch Monitor Plus
55000-773MAR DIN Rail Zone Monitor with Isolator
55000-774MAR DIN Rail Input/Output Unit
55000-775MAR DIN Rail Mini Switch Monitor
55000-855MAR DIN Rail Single Channel Protocol Translator
55000-856MAR DIN Rail Dual Channel Protocol Translator
55000-900MAR Manual Call Point, Standard
55000-910MAR Manual Call Point, Standard
58000-400MAR Heat Detector
58000-500MAR Ionisation Smoke Detector
58000-600MAR Optical Smoke Detector
58000-700MAR Multisensor Smoke Detector
58100-970MAR Red Manual Call Point
58100-971MAR Red Manual Call Point with Isolator
58100-975MAR Waterproof Manual Call Point
58100-976MAR Waterproof Manual Call Point with Isolator

Intended Service:

Analogue addressable fire detection system detectors, call points and accessories for marine and offshore applications in process, machinery and accommodation spaces.



Ratings:

Nominal voltage 17 to 28V DC Operating temperature -20C to 60C, -30C to 70C or -40C to 70C dependent on model
 Quiescent current 100microA to 400microA dependent on model
 Ingress protection IP44 (detectors), IP67 (manual call points)

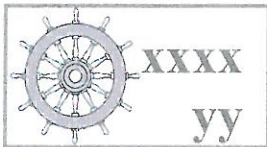
Comments:

Tests and approval are for hardware only. Each configuration and external connection is to be specifically approved.

Approved in accordance with the Fire protection equipment requirements for fixed fire detection and fire alarm systems components – Flame detectors item A.1/3.51 of the European Union Marine Equipment Directive 96/98/EC as Amended by Directive 2009/26/EC.

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.

The “Mark of Conformity” may only be affixed to the above 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 agreement with a Notified Body.

Example for the application of the "Mark of Conformity":

0729
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Number of the Notified Body responsible for the quality surveillance module.
 Last two digits of the year in which the mark is affixed.

Drawing Schedule:

11-LD766034-PDA	PRODUCT DESIGN ASSESSMENT
TE245667	BRE TEST REPORT APOLLO SERIES OF ISOLATOR AND ISOLATOR BASE
SX615834-001 ISS 1 - 58000-400_500_600_700_900	TUV TEST HOUSE CERTIFICATE - DISCOVERY IP RATINGS
PP2090 2011 ISSUE 13	PRODUCT INFORMATION - SHORT-CIRCUIT ISOLATION IN XP95 AND DISCOVERY FIRE DETECTION SYSTEMS
PP2052 2010 ISSUE 5	DISCOVERY PRODUCT GUIDE_PP2052_ISSUE 5



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