



CERTIFICATE NUMBER

12-LD921622-PDA

DATE

13 September 2012

ABS TECHNICAL OFFICE

London Engineering Department

CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of
APOLLO FIRE DETECTORS LIMITED - HAMPSHIRE

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

PRODUCT: **Fire Detector**

MODEL: **Apollo XP95 Range**

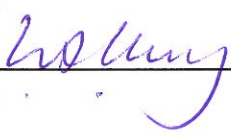
This Product Design Assessment (PDA) Certificate 12-LD921622-PDA, dated 13/Sep/2012 remains valid until 12/Sep/2017 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING



Wing F. Cheung
Engineer

NOTE: 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. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is 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).

APOLLO FIRE DETECTORS LIMITED

36 BROOKSIDE ROAD
HAVANT
HAMPSHIRE
ENGLAND PO9 1JR
United Kingdom
Telephone: 44-2392-492-412
Fax: 44-2392-492-754
Web: www.apollo-fire.co.uk

Product: Fire Detector

Model: Apollo XP95 Range

Intended Service:

Analogue addressable fire detection systems for marine and offshore applications in process, machinery and accommodation spaces.

Description:

XP95 Analogue addressable detectors and bases

45681-210MAR XP95 Standard Base
45681-284MAR XP95 Isolating Base
55000-400MAR XP95 Class A2S Heat Detector
55000-401MAR XP95 Class CS Heat Detector
55000-600MAR XP95 Optical Smoke Detector
55000-885MAR XP95 Multisensor Detector

Ratings:

Nominal voltage: 17 to 28V DC;
Operating temperature: -20C to 60C (55000-400MAR 70C)

Service Restrictions:

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined. The loop-power channel protocol translators are to be installed in safe areas. The detection units must be connected to approved safety barriers for hazardous applications.

Comments:

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

Notes / Drawings / Documentation:

This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product. BRE/LPCB Test Reports AR233664-7, TE 220278, TE 220279, TE 231156, TE 209309, TE 93009; BRE/LPCB EC Certificates of Conformity 0832-CPD-0161 Iss4, 0832-CPD-0162 Iss4, 0832-CPD-0164 Iss4, 0832-CPD-0256 Iss4

Term of Validity:

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STANDARDS

ABS Rules:

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product. The Rules applicable to this assessment are: 2012 Steel Vessel Rules 1-1-4/7.7, 4-7-3/11.5, 4-9-7/13

National:

EN54-5:2000+A1:2002, EN54-7:2000+A1:2002, EN54-17:2005

International:

IMO FSS Code Chapter 9

Government Authority:

NA

EUMED:

NA

Others:

NA



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