



Marine & Offshore
Division

Certificate number: 07433/E0 BV

File number: AP 1923

Product code: 3782H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

APOLLO FIRE DETECTORS LIMITED

Havant - UNITED KINGDOM

for the type of product

SMOKE FIRE DETECTORS

XP 95 Intrinsically Safe Ionization Smoke Detector

Model: 55000-540.

Requirements:

BV Rules for the Classification of Steel Ships,
EN 54-7(2000) incl. A1(2002) and A2(2006),
EN 60079-0 (2012) incl. A11 (2013), EN 60079-11 (2012).

This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 12 Jul 2021

For BUREAU VERITAS,

At BV LONDON, on 12 Jul 2016,

Spencer Yule



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine & Offshore Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarm.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=o6sppdkspf>

BV Mod. Ad.E 530 October 2014

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

- Product model or type designation :
APOLLO XP 95
- Product description:
Addressable Intrinsically Safe Ionisation Smoke Detector.
- Part Number : 55000-540
- Principle : Point Detector using a Ionisation Chamber
- Transmitting Protocol : Open Digital Protocol
- Nominal Threshold Value : 0.7 according to EN 54-7
- Working Temperature : -20°C to +60°C
- Protection Index : IP 23D
- Ex Marking : Ex ia IIC T5 Ga (-20°C≤Ta≤+45°C) or Ex ia IIC T4 Ga (-20°C≤Ta≤+60°C)
- Power Supply : 24 VDC (17 to 28 VDC)

2. DOCUMENTS AND DRAWINGS:

According to drawings filed in AP 1923.

For modification E0 version:

Apollo:

- Drawing Wiper Contact Series 60 & XP95 No.: 32411-533 Iss.2, dated Apr 2014
- Drawing Smoke LID No.: 38531-775 Iss.2, dated Dec 2011
- Drawing Address Key XP95 No.: 38531-782 Rev.4, dated Oct 1, 2010
- Drawing PCB Assembly No.: 43781-243 Iss.8B, dated Sep 2015
- Drawing Lid Printing Detail No.: 44251-042 Iss.8, dated Nov 2014
- Drawing Smoke LID No.: 44251-045 Iss.2, dated Dec 2012
- Drawing Component Schedule No.: 55000-540CS Iss.8, dated Nov 2014

SGS:

- Ex Certificate No.: BAS02ATEX1289X - Issue 7, dated Feb 23, 2015

3. TEST REPORTS:

- LPC TE 90086, LPC TE 90089, LPC TE 90090, LPC TE 89129, LPC TE 89128, LPC TE 89125.

BRE:

- Test Report N° TE223930 dated 09/Dec./2005.

TÜV:

- IP Test House Certificate No. SX615834-001 Issue 1 dated 29th Jan. 2007.

4. APPLICATION / LIMITATION:

- 4.1 - BUREAU VERITAS Rules and Regulations for the Classification of Steel Ships.
- 4.2 - Approval valid for ships intended to be granted with the following additional class notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**
- 4.3 - Approval also valid for ships having to comply with SOLAS 74 Convention, as amended, and for units having to comply with IMO Resolution A649 (The "MODU Code").
- 4.4 - Must be used with either a XP 95 single or dual channel protocol translator (55000-855, 55000-856).
- 4.5 - For use with fire alarm panel utilizing these APOLLO Series 90 or XP 95 communication protocol.
- 4.6 - For any application for a given ship, drawings showing the arrangement and grouping of the detectors shall be submitted for Society's approval.
- 4.7 - The equipment, once installed on board ships, is to be tested in accordance with the above referred Regulations under the supervision of a Society's Surveyor.
- 4.8 - Ex-certification is not covered by this certificate, Applications in hazardous areas are to be approved in each case according to the Rules and Conditions for Safe Use specified in a valid Ex-Certificate issued by a Notified or Recognised Certification Body.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above products are to be supplied by **APOLLO FIRE DETECTORS LIMITED** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **APOLLO FIRE DETECTORS LIMITED** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - **APOLLO FIRE DETECTORS LIMITED** has declared to Bureau Veritas the following production site(s):

APOLLO FIRE DETECTORS LIMITED
36 Brookside Road
Havant
Hampshire
UNITED KINGDOM

6. MARKING OF PRODUCT:

- According to EN 54-7.

- Ex marking as relevant.

7. OTHERS:

7.1 - It is **APOLLO FIRE DETECTORS LIMITED (Havant - UNITED KINGDOM)**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate No. 07433/D0 BV issued on 2 Aug 2011 by the Society.

***** END OF CERTIFICATE *****