



## TYPE APPROVAL CERTIFICATE

**Certificate No.** : LDN23417-FD004                      **Initial Approval** : 30th November, 2012  
**Product** : Fire Detectors  
**Manufacturer** : APOLLO FIRE DETECTORS Ltd.  
36 Brookside Road, Havant, Hampshire, P09 1JR. U.K

**Product Description** : XP95 Fire Detectors  
- Sensor Type  
1) 55000-400 : XP95 Class A2S Heat Detector  
2) 55000-401 : XP95 Class CS Heat Detector  
3) 55000-600 : XP95 Optical Smoke Detector  
4) 55000-885 : XP95 Multisensor Detector  
  
- Base  
1) 45681-284 : XP95 Isolating Base

" See Appendix 1 "

**Approval Condition** : " See Appendix 1 "

**THIS IS TO CERTIFY** that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 6, Ch. 2, Art. 301 of the Rules for Classification, Steel Ships and EN54-5, EN54-7, EN54-17

This Certificate is valid until 29th November, 2022

Issued at Busan, Korea on 24th October, 2017



**KOREAN REGISTER OF SHIPPING**

*General Manager of  
Marine & Ocean Equipment Team*

*Note : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.  
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.  
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.  
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.*

## Appendix 1

# Product Description and/or Approval Condition

**Certificate No :** LDN23417-FD004

**Date of Issue :** 24th October, 2017

### A. Product Description :

1. Sensor Type
  - 1) 55000-400 : XP95 Class A2S Heat Detector
  - 2) 55000-401 : XP95 Class CS Heat Detector
  - 3) 55000-600 : XP95 Optical Smoke Detector
  - 4) 55000-885 : XP95 Multisensor Detector
2. Base
  - 1) 45681-284 : XP95 Isolating Base
3. Ratings
  - 1) Nominal voltage: 17 to 28 V DC
  - 2) Operating Temperature: -20°C to 60°C (55000-400MAR 70°C)
4. Test Reports
  - 1) BRE/LPCB Test Report AR233664-7, TE220278, TE220279, TE231156

### B. Approval Condition :

1. The product or packing is to be marked with the manufacturer's name and type designation on a suitable position.
2. Unless specially directed by the Administration, this approval is not to be construed as a substitute for a flag Administration's approval. In order to be installed on board the Korean flag vessels in Korea, this product is to be type approved by the Korean Government.
3. Individual Product Certification is not required.

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