DNV·GL

Certificate No:
TAA00000WF

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Fire Detector

with type designation(s)
XP95 I.S. Heat Detector - Part No. 55000-440,
XP95 I.S. Ionisation Smoke Detector - Part No. 55000-540 and
XP95 I.S. Optical Smoke Detector - Part No. 55000-640 with
XP95 I.S. Mounting Base - Part No. 45681-215

Issued to
Apollo Fire Detectors Limited
HAVANT HAMPSHIRE, United Kingdom

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Location classes:

Temperature	**A**
Humidity	**B**
Vibration	**A**
EMC	**A**
Enclosure	**Required protection according to the Rules to be provided upon installation on board.**

This Certificate is valid until **2021-12-31**.

Issued at **Høvik** on **2016-12-20**

for **DNV GL**

DNV GL local station: **London**

Approval Engineer: **Nils Jarem**

Odd Magne Nesvåg
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Job Id:
Certificate No: **TAA00000WF**

Product description

This certificate covers the following type designations :

XP95 I.S. Heat Detector - Part No. 55000-440,
XP95 I.S. Ionisation Smoke Detector - Part No. 55000-540,
XP95 I.S. Optical Smoke Detector - Part No. 55000-640 with XP95 I.S. Mounting Base – Part No. 45681-215.

Application/Limitation

Approved for use with type approved fire alarm central units using Apollo XP95 Communication Protocol and Protocol Translator XP95 Part. No. 55000-855 or 55000-856.

Ex-certification is not covered by this certificate. Application in hazardous area to be approved in each case according to the Rules and Ex-Certification**/** Special Condition for Safe Use listed in valid Ex-certificate issued by a notified/recognized Certification Body.

System application and location of detectors to be in accordance with relevant parts of the Rules.
The Type Approval covers hardware listed under Product Description. In each case the hardware is used in application to be classed by DNV GL, documentation for the actual application is to be submitted for approval by the manufacturer of the application system. Reference to applied hardware as listed above, as well as reference to this certificate is to be made through the instrument and equipment list covering the application system in question. Reference is made to DNV GL Rules for Ships Pt. 4 Ch. 9 - Control and Monitoring Systems.

Type Approval documentation

Tests carried out

Applicable tests according to class guideline DNVGL-CG-0339, November 2015.
Tested according to EN54-5, EN54-7.

Marking of product

The products to be marked with:
- manufacturer name
- model name
- serial number
- power supply ratings

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE