



TYPE APPROVAL CERTIFICATE

Certificate No:
TAA0000WF
Revision No:
7

This is to certify:

That the Fire Detector

with type designation(s)

Series XP95 55000 - 440, - 640, - 855, - 856; 45681 - 200, - 204, - 215, - 233

Issued to

Apollo Fire Detectors Limited
Havant, Hampshire, United Kingdom

is found to comply with

DNV 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.

Location classes:

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

Issued at **Høvik** on **2024-01-18**

for **DNV**

This Certificate is valid until **2026-12-31**.

DNV local unit: **UK & Ireland CMC & VMC**

Approval Engineer: **Frode Nygård**

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Frederik Tore Elter
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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

This certificate covers the following type designations:
 Series XP 95 Analogue, Addressable, Intrinsically Safe Fire Detectors, Mounting Bases and Protocol Translator:

Part number	Description
55000 - 440:	Heat detector, quiescent current 250 µA
55000 - 640:	Optical smoke detector, quiescent current 340 µA, Certified safe type: BAS02ATEX1289
45681 - 200:	Mounting base
45681 - 215:	Detector base
45681 - 204, - 233:	Conduit box, backplate
55000 - 855:	Protocol translator, single channel
55000 - 856:	Protocol translator, dual channel

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.

Approval conditions

The Type Approval covers hardware listed under Product description. When the hardware is used in applications to be classed by DNV, documentation for the actual application is to be submitted for approval by the manufacturer of the application system in each case. Reference is made to DNV rules for classification of ships Pt.4 Ch.9 Control and monitoring systems.

Type Approval documentation

XP95 I.S. Heat Detector 55000-440:

Eng. Product Guide:	PP1095/2021/issue 5
Schematic Diagram:	55000-440 CD, issue 4
Ass. Drawing:	55000-440 GA, issue 5 43781-245, issue 9
Inst. Drawing:	55000-440 ID, issue 1
LPC Report:	TE 88021, TE 89124, TE 89128, TE 89129, TE 90085, TE 90089, TE 90090
LPCB Report:	TE 223930
BRE Report	TE-P105641-1001 Issue 1, dated 2018-10-31, TE-P105642-1001 Issue 1, dated 2019-03-21

XP95 I.S. Optical Smoke Detector 55000-640:

Eng. Product Guide:	PP1095/2021/issue 6
Schematic Diagram:	55000-640 CD, issue 9
Ass. Drawing:	55000-640 GA, issue 7 43781-237, issue 16
Inst. Drawing:	55000-640 ID, issue 1
LPC Report:	TE 88020, TE 89126, TE 89128, TE 89129, TE 90087, TE 90089, TE 90090
LPCB Report:	TE 223930
BRE Report	TE OPP001688 Issue 1, TE-P105641-1001 Issue 1, dated 2018-10-31, TE-P105642-1001 Issue 1, dated 2019-03-21, TE-P120101-1000 Issue 1, dated 2022-08-02
Intertek Report	104691301LHD-021 Issue 1, dated 2021-12-17

XP95 I.S. Protocol Translators 55000-855 and 55000-856:

Eng. Product Guide:	PP1095/2021/issue 6
Data sheet	PP2567/2020/Issue 5
Schematic Diagram:	55000-855CD issue 5 55000-856CD issue 5
Ass. Drawing:	55000-855 issue 3B 55000-856 issue 3B
LPCB Report:	TE 245499
BRE Report	TE-P108139-1001 Issue 1, dated 2019-02-18, TE-P120501-1000 Issue 1, dated 2022-02-08

Type approval periodical assessment report for TAA00000WF, DNV Southampton on 2021-12-07.

Tests carried out

Applicable tests according to class guideline DNV-CG-0339, August 2021.

Performance tests according to:

- EN 54-5:2017,
- EN 54-7:2018,
- EN 54-18:2005.

Marking of product

The products to be marked with:

- manufacturer name
- model name
- serial number

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