



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. A-11131
This Certificate consists of 3 pages

This is to certify that the
Fire Detector
with type designations

**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**

Manufactured by
Apollo Fire Detectors Limited
HAVANT, United Kingdom

is found to comply with
Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and
Det Norske Veritas' Offshore Standards

Application
Location classes:

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

Place and date
Høvik, 2009-04-17
for DET NORSKE VERITAS AS

Odd Magne Nesvåg
Head of Section



Local Office
DNV London

This Certificate is valid until
2012-12-31

Kjell Myhrsveen
Surveyor *Sne*

Notice: 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.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million in this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: A-11131
File No.: 473.12
Job Id. No.: 262.1-006901

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.

Approval Condition

The Type Approval covers hardware listed under Product Description. In each case the hardware is used in application to be classed by DNV, 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 Rules for Ships Pt. 4 Ch. 9 - Control and Monitoring Systems

Type Approval documentation

XP95 I.S. Heat Detector:

Eng. Product Guide:	PP 1095/2005/issue 4
Schematic Diagram:	55000-440 CD, issue 4
Ass. Drawing:	55000-440 GA, issue 4A 43781-245, issue 5
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
Retention Survey Report:	2009-02-12, surveyor QUIS

XP95 I.S. Ionisation Smoke Detector:

Eng. Product Guide:	PP 1095/2005/issue 4
Schematic Diagram:	55000-540 CD, issue 4
Ass. Drawing:	55000-540 GA, issue 3 43781-243, issue 5
Inst. Drawing:	55000-540 ID, issue 1
LPC Report:	TE 88019, TE 89125, TE 89128, TE 89129, TE 90086, TE 90089, TE 90090



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LPCB Report:	TE 223930
Retention Survey Report:	2009-02-12, surveyor QUIS

XP95 I.S. Optical Smoke Detector:

Eng. Product Guide:	PP 1095/2005/issue 4
Schematic Diagram:	55000-640 C.D. issue 6
Ass. Drawing:	55000-640 GA. issue 3
	43781-237, issue 9
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
Retention Survey Report:	2009-02-12, surveyor QUIS

Certificate retention survey

The scope of the retention/renewal survey 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 survey 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

Retention survey is to be performed at least every second year and at renewal of this certificate.

END OF CERTIFICATE