



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. A-10563
This Certificate consists of 3 pages

This is to certify that the
Fire Alarm Manual Call Point
with type designation(s)
Discovery Manual Call Point - Part 58000-900MAR

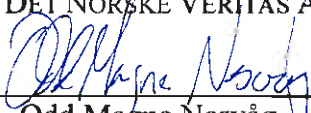
Manufactured by
Apollo Fire Detectors Limited
HAVANT PO9 1JR, United Kingdom

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	B
Enclosure	B


Place and date
Høvik, 2008-01-03
for DET NORSKE VERITAS AS


Odd Magne Nesvåg
Head of Section



Local Office
DNV London

This Certificate is valid until
2012-06-30


Knut Ømberg
Surveyor

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-10563
File No.: 473.13
NPS Job: 262.1-003081-1

Application/Limitation

Not for application in hazardous areas

Approval Condition

The Type Approval covers hardware listed under Type Designation/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

Gen. Assembly Drawing:	58000-900 to 904, issue 1A
Schematic Diagram:	58000-900CD, issue 4
Engineering Product Guide:	PP2052/2001, issue 4
Test Reports:	LPC TE 90377.1, dated. 1999-07-29
	Apollo No. 1661.0, dated. 2003-03-28
	EMC B test: TUV job number 75902489-41000
	EMC test: TUV report number OO615834/01 issue 1
	EMC test: Apollo No. 1156.1 dated 2002-01-24
IP44 test: TUV certificate SX615834-001 issue 1	
Retention Survey Report	Dated 2007-11-22

Tests carried out

Relevant tests according to "Standard for Certification No. 2.4 – April 2001"



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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