



TYPE APPROVAL CERTIFICATE

Certificate No:
TAA00000WE
Revision No:
1

This is to certify:

That the Fire Alarm Manual Call Point

with type designation(s)

**Discovery Part No 58100-975MAR / 976MAR,
Discovery Part No 58100-970MAR / 971MAR**

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:

Type	Temperature	Humidity	Vibration	EMC	Enclosure
Discovery Part No 58100-975MAR / 976MAR	D	B	A	B	C / IP67
Discovery Part No 58100-970MAR / 971MAR	D	B	A	B	B

Issued at **Høvik** on **2022-01-21**

for **DNV**

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

DNV local station: **Southampton**

Approval Engineer: **Frode Nygård**

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Trond Sjøvåg
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

Discovery Manual Call Points covered by this Type Approval:

Model	Description
58100-970MAR	Non-isolated red Manual Call Point, indoor use
58100-971MAR	Isolated red Manual Call Point, indoor use
58100-975MAR	Non-isolated red Manual Call Point, outdoor use
58100-976MAR	Isolated red Manual Call Point, outdoor use

Application/Limitation

To provide additional protection against accidental operation, a transparent hinged cover with a locking tag, part no 26729-152, is available. Please note that the manual call points (58100-970MAR/971MAR/975MAR/976MAR) do not conform to EN 54-11:2001 when this lid is fitted and secured with the locking tag supplied.

Not for application in hazardous areas.

EMC in the range 2 GHz to 6 GHz according to DNV-CG-0339, August 2021 has not been documented. EMC up to 6 GHz must additionally be documented for installation on ships contracted for construction on or after 2022-01-01.

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

GA: 58100-910, issue 1
 58100-908, issue 1
 58100-950 to 953, issue 1

Schematic Diagram: 55100-905CD, issue 2A (58100-970MAR/975MAR)
 55100-908CD, issue 3 (58100-971MAR/976MAR)

Eng. Product Guide: PP2052 2015/ issue 7A

Inst. Drawing: 39214-284, issue 1 (58100-970MAR/971MAR)
 39214-498, issue 1 (58100-975MAR/976MAR)

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
 BRE TE222766, 2006-07-07 (58100-970MAR/971MAR)
 BRE TE222766_SW, 2006-07-07 (58100-970MAR/971MAR)
 BRE TE234979, 2008-02-28 (58100-975MAR/976MAR)
 TUV 75904115 THC 03, 2008-07-31 (58100-970MAR/971MAR)
 Particle Technology 6461, 2008-07-17 (58100-970MAR/971MAR)
 Cape 14194, 2005-05-05 (58100-975MAR/976MAR)
 Test Report 2331, 2008-09-29 (58100-970MAR/971MAR/975MAR/976MAR)

Type approval periodical assessment report for TAA00000WB, 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 54-11:2001,
- EN 54-17:2005.

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