



CERTIFICATE NUMBER 18-LD1769109-PDA

EFFECTIVE DATE 06-Sep-2018

EXPIRATION DATE 05-Sep-2023

ABS TECHNICAL OFFICE London

CERTIFICATE OF

# Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

## **APOLLO FIRE DETECTORS LIMITED**

located at

**36 BROOKSIDE ROAD, HAVANT, HAMPSHIRE ENGLAND, UNITED KINGDOM, PO9 1JR**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

**Product** Manual Call Point


**Model** 58200-975, 58200-976

This Product Design Assessment (PDA) Certificate remains valid until 05-Sep-2023 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau of Shipping

  
Theodoros Chatzidakis, Senior Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

## APOLLO FIRE DETECTORS LIMITED

36 BROOKSIDE ROAD

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Telephone: 44-2392-442875

Fax: N/A

Email: enquiries@apollo-fire.co.uk

Web: www.apollo-fire.co.uk

**Tier: 3 - Type Approved, unit certification not required TC**

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**Product:** Manual Call Point  
**Model:** 58200-975, 58200-976

### Intended Service:

Manual call point for fire detection and alarm system for use on ABS classed vessels and offshore facilities in accordance with the listed ABS Rules and International Standards.

### Description:

Addressable waterproof manual break glass call points for machinery and accommodation spaces fire monitoring systems.

58200-975: Discovery Marine Analogue Addressable waterproof Manual Call point.

58200-976: Discovery Marine Analogue Addressable waterproof Manual Call point with isolator.

### Rating:

Supply Voltage: 17-28VDC

Operating Temperature: -25 to +70 deg C

Ingress Protection: IP56

### Service Restriction:

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

### Comments:

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

### Notes/Drawing/Documentation:

Drawing No. 43785-218, PCB Assy 2nd Fit, Revision: 1, Date: April 2013, Page: 02

Drawing No. 43785-220, waterproofing potting assy, Revision: 2, Date: 09 September 2015, Page: 01

Drawing No. 58200-975, General Assy, Revision: 2, Date: 18 October 2013, Pages: 1

Drawing No. 58200-975 B, Build Standard Sheet, Revision: 6, Date: September 2015, Pages: 2

Drawing No. 58200-975PACK, Packing Drawing, Revision: 7, Date: September 2015, Pages: 2

Drawing No. 58200-976, General Assy, Revision: 2, Date: 17 October 2013, Pages: 1

Drawing No. 58200-976 B, Build Standard Sheet, Revision: 6, Date: September 2015, Pages: 2

Drawing No. 58200-976PACK, Packing Drawing, Revision: 7, Date: September 2015, Pages: 2

Drawing No. 39117-918, MCP Terminal Label, Revision: 1, Date: March 2013, Pages: 1

Drawing No. 47100-271, Printing Label Spec, Revision: 3, Date: October 2015, Page: 01

Drawing No. 47100-272, Product Label Spec, Revision: 4, Date: October 2015, Page: 01

Drawing No. 39214-759, Installation Guide, Revision: 3, Page: 02

Drawing No. PP2090, Short Circuit Isolation Sheet, Revision: 16, Date: 2016, Pages: 3

Drawing No. PP2456, Discovery Marine MCP Datasheet, Revision: 2, Date: 2014, Pages: 2

Drawing No. PP5074, Marine Waterproof MCP Datasheet, Revision: 1, Date: 2017, Pages: 2

Drawing No. TE277395, BRE Test Report, Revision: 01, Date: 30 January 2013, BRE Global, UK, Page: 18

Drawing No. 100975009, Intertek Test Report, Revision: 01, Date: 11 June 2013, Intertek Testing & Certification Ltd, UK, Page: 60

Drawing No. 102257324 LHD-001 VOC, Intertek Test verification of conformity, Revision: 00, Date: 21 August 2015, Page: 01

Drawing No. 103418671LHD-021-1, Intertek Test Report, Revision: 01, Date: 06 July 2018, Intertek Testing & Certification Ltd, UK, Page: 43

Drawing No. 58200-950CD: Circuit Diagram, Revision: 01, Date: October 2013, Page: 02

Drawing No. 58200-951CD: Circuit Diagram, Revision: 01, Date: April 2013, Page: 02

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Drawing No. 43782-015: PCB Assy SMD, Revision: 01, Date: April 2013, Page: 02

Drawing No. 43782-016: PCB Assy SMD, Revision: 01, Date: April 2013, Page: 02

Drawing No. 43785-217: PCB Assy 2nd Fit, Revision: 01, Date: April 2013, Page: 02

Drawing No. MED 1800024: MED Module B Certificate- 58200-975MAR, Lloyd Register Verification Limited, UK, Date: 14 August 2018, Page: 03

Drawing No. MED 1800025: MED Module B Certificate- 58200-976MAR, Lloyd Register Verification Limited, UK, Date: 14 August 2018, Page: 03

**Terms of Validity:**

This Product Design Assessment (PDA) Certificate 18-LD1769109-PDA, dated 06/Sep/2018 remains valid until 05/Sep/2023 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

**STANDARDS****ABS Rules:**

- Steel Vessel Rules (2018): 1-1-4/7.7, 1-1-A3 & A4; 4-9-8/3, 4-9-8/7, 4-9-8/13, 4-9-8 Table 1
- Steel Vessels Under 90 Meters (295 Feet) in Length (2018): 1-1-4/7.7, 1-1-A3 & A4; 4-7-2 Table 1, 4-7-4/3.7
- Facilities on Offshore Installations (2018): 1-1-4/9.7, 1-1-A2 & A3
- Offshore Support Vessels (2018): 1-1-4/7.7, 1-1-A3 & A4; 4-9-8/3, 4-9-8/7, 4-9-8/13, 4-9-8 Table 1
- Mobile Offshore Drilling Units (2018): 1-1-4/9.7, 1-1-A2 & A3, 6-1-1/9, 6-1-1/13; 4-3-1/9, 4-3-1/11, 4-3-1/15, 4-3-1/17
- Steel Vessels for Service on Rivers and Intracoastal Waterways (2018): 1-1-4/7.7, 1-1-A3 & A4; 4-5-1/9, 4-5-1/11, 4-5-1/17, 4-5-1/19
- High Speed Crafts (2018): 1-1-4/11.9, 1-1-A2 & A3; 4-6-1/9, 4-6-1/11, 4-6-1/15, 4-6-1/17, 4-7-9 Table 9
- Steel Barge Rules (2018): 1-1-4/7.9, 1-1-A3 & A4

**National:**

EN 54-11:2001+A1:2005

EN54-17:2005

**International:**

IACS UR E10 Rev 6: 2014

IEC 60092-504 Ed4.0: 2016

IEC 60533 Ed3.0: 2015

**Government:**

NA

**EUMED:**

COMMISSION IMPLEMENTING REGULATION (EU) 2018/773- MED/3.51(f) - Manual Call Points

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**OTHERS:**

NA

