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Certificate No: LR2332069TA-01  
Issue Date: 13/07/2023  
Expiry Date: 25/01/2028

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## Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

<b>Manufacturer</b>	<b>Apollo Fire Detectors Ltd</b>
<b>Address</b>	36 Brookside Road, Havant, PO9 1JR, United Kingdom
<b>Type</b>	Fire Detection Alarm Systems
<b>Description</b>	Analogue addressable heat detector
<b>Trade Name</b>	Discovery Range- 58000-400 MAR
<b>Application</b>	Marine and offshore use in environmental categories ENV1, ENV2, ENV3 and ENV5 as defined in LR Type Approval System Test Specification No.1:2020
<b>Specified Standard</b>	EN54-5:2017

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

**Previous Version:** 03/00060(E4), LR2332069TA

The Design Appraisal Document LR2332069TA-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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**Matt Higgins**  
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A member of the Lloyd's Register group

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## LLOYD'S REGISTER TYPE APPROVAL – DESIGN APPRAISAL DOCUMENT

Issue by: UKITSO SOUTHAMPTON  
Issued to: APOLLO FIRE DETECTORS LTD  
For: ANALOGUE ADDRESSABLE HEAT DETECTOR  
Type: DISCOVERY RANGE- 58000-400 MAR

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System Procedure TA14 Version 04 (September 2020) and this Design Appraisal Document forms part of the Certificate.

### APPROVAL DOCUMENTATION

010 - ISO 9001 2015 Certificate Issue 19	6 Jul 2021
Certificate of Constancy of Performance Cert No 2531-CPR-CSP10936	10 Jun 2022
34100-002SW Embedded Software Record	Oct 2015
34000-064SW Embedded Software Record	Oct 2015

### DATASHEETS

PP5003/2017/Issue 1 Discovery Marine Heat Detector	2017
Discovery Engineering Product Guide (PP2052/Issue 7A)	2015
Open, Closed and Digital Protocols (PP2099 Issue 6)	2017

### DRAWINGS

35158-800 Issue 1 MOD C, Key Pad	Aug 2016
38531-875 RFI Shield (carbon loaded) Rev 2B	11 Feb 2015
34000-064 Discovery Heat Detector Microprocessor Programming Issue 2	Oct 2015
58000-400 Heat Detector GA Issue 3	Jan 2009
58000-400CD Discovery Heat Detector Schematic Diagram Issue 7	Dec 07

### TEST REPORTS

TE-P105642-1001 Iss1 BRE Global Test Report	21 Mar 2019
P105641/1.2 Test schedule for EMC Update of Various Products (Phase One)	13 Mar 2018
P105642/1.2 Test schedule for EMC Update of Various Products (Phase Two)	18 Jul 2018
TE 236307 58000-400	16 Nov 2007
Apollo test schedule	24.05.2002
Apollo (No. 1658.0)	12.01.2003
LPC (No. TE 90371)	19 Dec 2017



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**Supplementary Type Approval Terms and Conditions**

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.*