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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>Place of Production</b>	FFE Ltd 9 Hunting Gate, Hitchin, SG4 0TJ, Hertfordshire, UK
<b>Type</b>	Fire And Gas Detection Alarm And Control Systems
<b>Description</b>	UV IR2 Flame Detector
<b>Trade Name</b>	55000-028 MAR
<b>Application</b>	Marine applications in category ENV1, ENV2 and ENV3 as defined in Lloyd's Register Type Approval Test Specification No. 1, 2020 where the test specification is satisfactory for the intended operation.
<b>Specified Standard</b>	EN54-10: 2002 + A1: 2005
<b>Ratings</b>	Input Voltage: 17-28 VDC Maximum current consumption at 24 V: - Quiescent, 2.3mA - Alarm, 4.2mA - Surge, 9mA(peak) for 85ms

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**Matt Higgins**  
Electrical & Control - Senior Specialist to  
Lloyd's Register EMEA  
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Certificate No: LR23337062TA  
Issue Date: 24/07/2023  
Expiry Date: 16/02/2026

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## Type Approval Certificate

Software: TFD Series 017000 Version XDT04A

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:** *LR2180820TA,LR2180820TA-01,LR2180820TA-02*

The Design Appraisal Document LR23337062TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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

Issue by: UK&I Technical Support Office  
Issued to: Apollo Fire Detectors Limited  
For: UV Flame Detector 55000-028 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**

ISO 9001:2015 Certificate No. 010, Issue 19	06.07.2021
ISO 9001:2015 Certificate No. FM 01794	18.06.2018
UV-IR2 XP95 Apollo Housing Parts List - 17934-01(3)	19.09.2018
Marine Intelligent Base Mounted Flame Detectors PP2401/2017/Issue 2	2017

### **DATASHEETS**

Marine Intelligent Base Mounted UV/IR <sup>2</sup> Flame Detector PP5019/2017/Issue 1	2017
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### **TEST REPORTS**

LR PQA audit report No. PRJ11100266018	09.02.2021
Job Control Record No. PRJ11100266018	09.02.2021
BRE Test report No. TE 291466	01.04.2014
Also all the documentation listed on Design Appraisal Documents associated with Type Approval Certificate No. 15/00075	

Matt Higgins MIET  
Senior Electrical Specialist  
Engineering Systems  
UK&I Technical Support Office, Marine & Offshore  
Lloyd's Register EMEA

### **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.*



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Reference:	UKITSO/TA/ETS/MJH/WP50997357

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*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.*

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