



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.

Manufacturer	Apollo Fire Detectors Ltd
Address	36 Brookside Road, Havant, PO9 1JR, United Kingdom
Type	Fire Detection and Alarm System
Description	XP95 IS Series Detectors
Trade Name	55000-440 Intrinsically Safe Heat Detector
Application	Marine and offshore use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in LR Type Approval System Test Specification No.1:2020
Specified Standard	EN54-5:2017 + A1:2018 EN54-7:2018 IEC 60079-0:2017 IEC 60079-11:2023
Ratings	• Fixed installation • IP20 • - 20° C < Ta < +60° C
Additional Tests	Hazardous areas: Ex ia IIC T4 / T5 Ga (-20°C ≤ Ta ≤ +60°C)

Michael Hickey

Michael Hickey

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

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Other Conditions

Ex ia IIIC T135°C Da (-20°C ≤ Ta ≤ +60°C)

1. An LR Type Approved Safety Barrier must be placed between the unit and the control indicating equipment.
2. An Apollo single channel protocol translator (55000-855) or dual channel protocol translator (55000-856) must be inserted between the safety barrier and the control and indicating equipment.
3. The enclosure and junction box or connector body may constitute a potential electrostatic ignition risk and must not be rubbed or cleaned with a dry cloth.

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: 98/00064(E6), LR2337203TA-01

The Design Appraisal Document LR2337203TA-02 and its supplementary Type Approval Terms and Conditions form part of this Certificate.



LLOYD'S REGISTER TYPE APPROVAL – DESIGN APPRAISAL DOCUMENT

Issue by: UK&I Technical Support Office

Issued to: APOLLO FIRE DETECTORS LTD.

For: 55000-440 Intrinsically Safe Photoelectric Smoke Detector

Type: XP95 IS Series Heat Detectors

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

APOLLO	Embedded software record: 34000-191SW	24.07.2024
APOLLO	Embedded software record: 34100-011SW	24.07.2024
APOLLO	Discovery intrinsically safe schematic diagram: 42000-032	04.2024
APOLLO	XP95 Intrinsically safe PCB assembly (SMD):43782-181	24.07.2024
APOLLO	XP95 Intrinsically safe heat PCBA (2nd fit):43785-473	22.07.2024
APOLLO	XP95 I.S. Heat detector programmed PCB:44000-148	24.07.2024
APOLLO	XP95 I.S. Heat detector (A2S):55000-440GA	13.05.2024
APOLLO	EU DOC – XP95, XP95 IS, XP95 IS MCP, Orbis IS	26.07.2021
APOLLO	Installation guide – XP95 I.S.	undated
APOLLO	Datasheet -XP95 I.S. Heat detector - PP50582017/Issue 1	undated

TEST REPORTS

LR	PQA audit report No. PRJ11100455326	16.09.2024
LPCB	ISO 9001:2015 Certificate	06.07.2024
LPCB	ISO 14001:2015 Certificate	11.07.2024
BRE Global	Test Report No. TE-P126792-1000, Issue: 1	28.05.2024
BRE Global	Test Report No. SW-P126792-1000-B, Issue: 1	30.05.2024
SGS	Test Report No. GB/SGS/ExTR24.0104/00, Issue: 1	05.07.2024
IECEX	Certificate of conformity: IECEX BAS 12.0091X, Issue 8	11.07.2024

Also, all documentation listed on Design Appraisal Document associated with Type Approval Certificate No. LR2337203TA-02.

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Certificate No:	LR2337203TA-02
Issue Date:	16/09/2024
Expiry Date:	21/01/2028
Reference:	UK&ITSO/TA/MH/TSO/24-019808

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.

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