



## 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 And Gas Detection Alarm And Control Systems
<b>Description</b>	55000-640 Intrinsically Safe Photoelectric Smoke Detector
<b>Trade Name</b>	XP95 IS Series Detectors
<b>Application</b>	Marine and Offshore use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in LR Type Approval System Test Specification No.1:2021
<b>Specified Standard</b>	EN 54-7: 2018 EN 60079-0:2018 EN 60079-11:2012
<b>Additional Tests</b>	Hazardous areas: EEx ia IIC T5 Ga (-20°C ≤ Ta ≤ 45°C) or EEx ia IIC T4 Ga (-20°C ≤ Ta ≤ 60°C)
<b>Other Conditions</b>	<ol style="list-style-type: none"><li>1. An LR Type Approved Safety Barrier must be placed between the unit and the control and indicating equipment.</li><li>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.</li><li>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.</li></ol>

**Andrei Petrov**

Surveyor 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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## Type Approval Certificate

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:** LR21354105TA

The Design Appraisal Document LR21354105TA-02 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 LTD.

For: 55000-640 Intrinsically Safe Photoelectric Smoke Detector

Type: XP95 IS Series Smoke 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

Change description for 55000-640 I.S. Optical Smoke Detector	Undated
OPTICAL DXP PCB COVER (LARGE FIN), No. 38532-167, rev.1	28.08.2020
XP95 INTRINSICALLY SAFE OPTICAL SMOKE DETECTOR PCB ASSEMBLY (SMD), No. 43781-237, Issue: 16	12.2021
XP95 INTRINSICALLY SAFE OPTICAL SMOKE DETECTOR PCB ASSEMBLY (2 <sup>nd</sup> FIT), No. 43785-419, Issue: 1	12.2021
XP95 I.S. Smoke Detector General Assembly (BIG FIN PCB COVER), No. 55000-640, Issue: 7	21.12.2021
XP95 INTRINSICALLY SAFE OPTICAL DETECTOR ASSEMBLY, No. 55000-640, Issue: 37	03.2022
XP95 IS OPTICAL SMOKE DETECTOR SCHEMATIC DIAGRAM, No. 55000-640CD, Issue: 9	12.2021
Apollo XP95 IS Optical_1 (Issue 004)	17.08.2021

### TEST REPORTS

LR PQA audit report No. PRJ11100326184	12.08.2021
BRE Global Test Report No. TE-P120101-1000, Issue: 1	02.08.2022
INTERTEK Test Report No. 104691301LHD-021, Issue: 1	17.12.2021

Also, all documentation listed on Design Appraisal Document associated with Type Approval Certificate No. LR21354105TA.

Andrei Petrov  
 UK&I Technical Support Office, Southampton  
 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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Certificate No: LR21354105TA-02  
Issue Date: 17/10/2022  
Expiry Date: 16/09/2026  
Reference: UK&ITSO/ETD/TA/AAP/WP48254983

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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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