

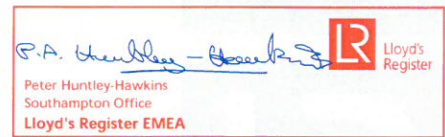
Type Approval Certificate Extension

This is to certify that Certificate No. 98/ 00065(E5) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Apollo Fire Detectors Ltd.
PLACE OF PRODUCTION	36 Brookside Road Havant Hampshire, PO9 1JR United Kingdom (UK)
DESCRIPTION	XP95 IS Series Detectors
TYPE	55000-540 Intrinsically Safe Ionisation Smoke Detector 55000-640 Intrinsically Safe Photoelectric Smoke 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 - 2015.
STANDARD	EN 54 Part 7: 2000 + A 1:2002 + A 2:2006 EN 60079-0:2012 EN 60079-11:2012
ADDITIONAL TESTS	Hazardous areas: EEx ia IIC T5 Ga(- 20° C ≤ Ta ≤ - 45° C) or EEx ia IIC T4 Ga(- 20° C ≤ Ta ≤ - 60° C)
OTHER CONDITIONS	1. An LR Type Approved Safety Barrier must be placed between the unit and the control and indicating equipment.

Certificate No.	98/ 00065(E6)
Issue Date	25 January 2017
Expiry Date	7 September 2021
Sheet	1 of 2



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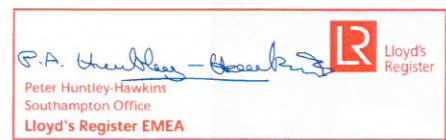
2. An Apollo single channel protocol translator (55000-855) or dual channel protocol translator (55000-856) must be inserted between the safety barrier and the control and indicating equipment.
3. The enclosure and junction box or connector body may constitute a potential electrostatic ignition risk 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."

The attached Design Appraisal Document No. 98/00065(E6) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No.98/ 00065(E5) to which this extension should be attached.

Certificate No.	98/ 00065(E6)
Issue Date	25 January 2017
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Sheet	2 of 2



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Page 1 of 1
Document number 96/00065(E6)
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 30 January 2017	Quote this reference on all future communications SOUTSO/TA/AAP/PAHH/WP28258273
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LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2015.

Issued to: APOLLO FIRE DETECTORS LTD

for: XP95 IS SERIES DETECTORS

**Type: 55000-540 INTRINSICALLY SAFE IONISATION SMOKE DETECTOR AND
55000-640 INTRINSICALLY SAFE PHOTOELECTRIC SMOKE DETECTOR
TYPE APPROVAL CERTIFICATE No. 98/00065(E6)**

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2015 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Request Form	23.01.2017
Application Checklist	17.01.2017
Email from SGS BASEEFA Limited regarding product modifications CR0172/CR0416	05.01.2017

DRAWINGS

38531-783 Rev 6 Sheet 1 of 1	29 April 2016
43781-237 Rev 14 Sheet 1 of 1	October 2015
55000-640 CD Rev 7 Sheet 1 of 1	October 2015

Also, all documentation listed on Design Appraisal Document associated with Type Approval Certificate No. 98/00065(E5).

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.

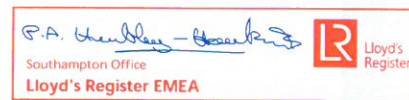
Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

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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