

## Type Approval Certificate Extension

This is to certify that Certificate No. 98/00065(E2) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	Apollo Fire Detectors Ltd.
<b>PLACE OF PRODUCTION</b>	36 Brookside Road Havant Hampshire, PO9 1JR United Kingdom (UK)
<b>DESCRIPTION</b>	XP95 IS Series Detectors
<b>TYPE</b>	55000-540 Intrinsically Safe Ionisation Smoke Detector 55000-640 Intrinsically Safe Photoelectric Smoke Detector
<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 - 1996.
<b>SPECIFIED STANDARDS</b>	EN54 Part 7: 2000 EN50014 (1977) + amendments 1 to 5 EN50020: 2002 EN 50284: 1999
<b>ADDITIONAL TESTS</b>	Hazardous areas: EEx ia IIC T5 or EEx ia IIC T4 (- 20° C ≤ Ta ≤ - 60° C)
<b>OTHER CONDITIONS</b>	1. An LR Type Approved Safety Barrier must be placed between the unit and the control and 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.
<b>Certificate No.</b>	98/00065(E3)
<b>Issue Date</b>	8 April 2008
<b>Expiry Date</b>	26 April 2013
<b>Sheet</b>	1 of 2



M.H.A. Rufaie  
London Design Support Services  
Lloyd's Register EMEA

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*"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(E3) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 98/00065(E2) to which this extension should be attached.

<b>Certificate No.</b>	98/00065(E3)
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<b>Sheet</b>	2 of 2



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Issue number 1

## DESIGN APPRAISAL DOCUMENT

Date 17 April 2008	Quote this reference on all future communications LDSS/PAS/TA/W01622737/MHR/O- 90505
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### LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002.

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(E3)

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

#### ADDITIONAL APPROVAL DOCUMENTATION

Request form 11.01.2008  
Apollo email 11.01.2008

#### TEST REPORTS

LPCB Certificate No. 010 (issue 11) 20.02.2006

Also all the documentation listed on Design Appraisal Documents associated with Type Approval Certificates Nos. 98/00065, 98/00065(E1) and 98/00065(E2)

#### 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.*

M.H.A. RUFAIE

Lead Specialist

Product Approval / London Design Support Services

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**Part 3  
Fire and Gas Detection Alarm and Control Systems (Part 3)**

Producer/Licence No.	Item Description	Technical Details	Category/Additional Tests	Remarks	Cert. No.
Apollo Fire Detectors Ltd, 36 Brookside Road, Havant, Hampshire, PO9 1JR, United Kingdom (UK).	XP95 IS Series Detectors  Types 55000-540 Intrinsically Safe Ionisation Smoke Detector  55000-640 Intrinsically Safe Photoelectric Smoke Detector	Power Supply (V dc): Quiescent current (µA):  14 to 22 280  Power Supply (V dc): Quiescent current (µA):  14 to 22 340	ENV1 ENV2 ENV3 ENV4 (1996)  Hazardous areas: EEx ia IIC T5 or EEx ia IIC T4 (-20° C < Ta < -60° C)	Expires: 26 April 2013  Complies with: EN54 Part 7: 2000 EN50014 (1977) + amend. 1 to 5 EN50020: 2002 EN 50284: 1999	98/00065(E3)

17 APR 2008  
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