



## Type Approval Certificate Extension

This is to certify that Certificate No. 98/00064(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>	55000-440 Intrinsically Safe Heat 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 5: 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>	<ol style="list-style-type: none"> <li>1. An LR Type Approved Safety Barrier must be placed between the unit and the control 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> </ol>
<b>Certificate No.</b>	98/00064(E3)
<b>Issue Date</b>	17 April 2008
<b>Expiry Date</b>	26 April 2013
<b>Sheet</b>	1 of 2

M.H.A. Rufaie  
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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.98/00064(E3) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 98/00064(E2) to which this extension should be attached.

<b>Certificate No.</b>	98/00064(E3)
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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: 55000-440 INTRINSICALLY SAFE HEAT DETECTOR****TYPE APPROVAL CERTIFICATE No. 98/00064(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. 98/00064, 98/00064(E1) and 98/00064(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. RUFAlE**

Lead Specialist

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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  <u>Type</u> 55000-440 Intrinsically Safe Heat Detector	Power Supply (V dc): 14 to 22 Quiescent current (µA): 250	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 5: 2000 EN50014: 1977 + amd. 1 to 5 EN50020: 2002 EN 50284: 1999	98/00064(E3)

17 APR 2008  
M/M