



## EC-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use  
in Potentially Explosive Atmospheres  
Directive 94/9/EC

- 1
- 2
- 3 EC-Type Examination Certificate Number : **BAS02ATEX1289**
- 4 Equipment or Protective System: **XP95 RANGE OF INTRINSICALLY SAFE FIRE MONITORS**
- 5 Manufacturer: **APOLLO FIRE DETECTORS LIMITED**
- 6 Address: **36 Brookside Road, Havant, Hampshire, PO9 1JH**
- 7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 The Electrical Equipment Certification Service, notified body number 600 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential Report N°
- 02(C)0238 dated 25 September 2002**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 50014: 1997 + Amds 1 & 2                      EN 50020: 2002                      EN 50284: 1999**  
except in respect of those requirements listed at item 18 of the Schedule.
- 10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- 11 This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.
- 12 The marking of the equipment or protective system shall include the following:-

II 1 G                      EEx ia IIC T5 or EEx ia IIC T4 (-20°C ≤ T<sub>a</sub> ≤ 60°C)

This certificate may only be reproduced in its entirety and without any change, schedule included.

File No: EECS 0073/02/020

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



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I M CLEARE  
DIRECTOR  
25 September 2002



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**Schedule**

14

**EC-TYPE EXAMINATION CERTIFICATE N° BAS02ATEX1289**

15

**Description of Equipment or Protective System**

The XP95 Range of Intrinsically Safe Fire Monitors are designed to detect the presence of fire using ionisation, optical and heat sensing techniques.

Each type of fire detector comprises a common comms circuit and a different sensor circuit mounted on a single PCB located in a plastic enclosure which is fitted to a mounting base.

Connections to external circuits are made to the terminals located in the mounting base.

**Input Parameters at Terminal Block TB1**

$U_i = 28V$                        $C_i = 0$

$I_i = 93.3 \text{ mA}$                  $L_i = 0$

$P_i = 0.67W$

16

**Report No.**

02(C)0238

17

**Special Conditions For Safe Use**

None.

18

**Essential Health and Safety Requirements**

None

19

**DRAWINGS**

Number	Sheet	Issue	Date	Description
55000-440CS	1 & 2	2	08/02	Heat Detector Schematic, PCB & GA
55000-540CS	1 & 2	2	08/02	Ionisation Detector Schematic, PCB & GA
55000-640CS	1 & 2	2	08/02	Optical Detector Schematic, PCB & GA
44251-049	1	2	08/02	Mounting Base Printing detail

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BASEEFA List Keywords  
2FIREDET



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: **BAS02ATEX1289/1**

4 Equipment or Protective System: **XP95 Range of Intrinsically Safe Fire Monitors**

5 Manufacturer: **Apollo Fire Detectors Limited**

6 Address: **36 Brookside Road, Havant, Hampshire, PO9 1JR**

7 This supplementary certificate extends EC - Type Examination Certificate No. BAS02ATEX1289 to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa (2001) Ltd., Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

This certificate may only be reproduced in its entirety, without any change, schedule included.


Baseefa Customer Reference No. 0073

Project File No. 05/0415

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

**Baseefa**

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Baseefa is a trading name of Baseefa (2001) Ltd  
Registered in England No. 4305578 at the above address



**R/S SINCLAIR**  
**DIRECTOR**  
On behalf of  
Baseefa (2001) Ltd.



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### Schedule

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Certificate Number BAS02ATEX1289/1

15 Description of the variation to the Equipment or Protective System

#### Variation I.1

To permit

- a minor electrical change to the XP95 IS Heat circuit which has no effect on intrinsic safety.
- alternative printed circuit board layouts for all three detector types.

16 Report Number

None

17 Special Conditions for Safe Use

None

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
55000-440CS	1 - 3	3	Jan 06	XP95 Intrinsically Safe Heat Detector
55000-540CS	1 - 3	3	Jan 06	XP95 Intrinsically Safe Ionisation Detector
55000-640CS	1 - 3	3	Jan 06	XP95 Intrinsically Safe Optical Smoke Detector



**SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **BAS02ATEX1289/2**
- 4 Equipment or Protective System: **XP95 Range of Intrinsically Safe Fire Monitors**
- 5 Manufacturer: **Apollo Fire Detectors Limited**
- 6 Address: **36 Brookside Road, Havant, Hampshire, PO9 1JR**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. BAS02ATEX1289 to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

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The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa, Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. 0073

Project File No. 09/0139

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

A handwritten signature in black ink, appearing to read "R S Sinclair".

**Baseefa**

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Baseefa is a trading name of Baseefa Ltd  
Registered in England No. 4305578. Registered address as above.

**R S SINCLAIR**  
**DIRECTOR**  
On behalf of  
Baseefa



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## Schedule

14

Certificate Number BAS02ATEX1289/2

### 15 Description of the variation to the Equipment or Protective System

#### Variation 2.1

To permit minor changes to the printed circuit boards that do not affect the original assessment.

### 16 Report Number

None.

### 17 Special Conditions for Safe Use

None.

### 18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

### 19 Drawings and Documents

Number	Sheet	Issue	Date	Description
55000-440CS	1 - 3	4	May 08	XP95 Intrinsically Safe Heat Detector
55000-540CS	1 - 3	4	May 08	XP95 Intrinsically Safe Ionisation Detector
55000-640CS	1 - 3	4	May 08	XP95 Intrinsically Safe Optical Smoke Detector