



1

## EC-TYPE EXAMINATION CERTIFICATE

2

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

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.



Electrical Equipment Certification Service  
Health and Safety Executive  
Harpur Hill, Buxton, Derbyshire, SK17 9JN, United Kingdom  
Tel: +44(0)1298 28000 Fax: +44(0)1298 28244  
internet: www.baseefa.com e-mail: baseefa.info.eecs@hsl.gov.uk



**I M CLEARE**  
DIRECTOR  
25 September 2002



13 **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

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

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**

Rookhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ  
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)  
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.



13

### Schedule

14

Certificate Number BAS02ATEX1289/1

15 Description of the variation to the Equipment or Protective System

#### Variation 1.1

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



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: **BAS02ATEX1289/2**

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.

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, 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**  
Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ  
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)  
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



13

### 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



1 **EC - TYPE EXAMINATION CERTIFICATE**

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

3 EC - Type Examination Certificate Number: **BAS02ATEX1289 – Issue 3**

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 re-issued 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

8 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 re-issued certificate and any other supplementary certificate it has issued.

The examination and test results are recorded in confidential Report No. **None**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN60079-0:2009 EN60079-11:2007**

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. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

**Ex II 1G Ex ia IIC T5 Ga or Ex ia IIC T4 Ga (-20°C ≤ Ta ≤ 60°C)**

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

Baseefa Customer Reference No. **0073**

Project File No. **11/0450**

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".

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

**Baseefa**  
Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ  
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)  
Baseefa is a trading name of Baseefa Ltd  
Registered in England No. 4305578. Registered address as above.



13

## Schedule

14

Certificate Number BAS02ATEX1289X – Issue 3

### 15 Description of Equipment or Protective System

The XP95 Range of Intrinsically Safe Fire Monitors is 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 housed in a plastic enclosure which is fitted to a plastic mounting base.

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

Input Parameters at Terminal Block TB1

$$U_o = 28V \quad C_i = 0$$

$$I_o = 93.3mA \quad L_i = 0$$

$$P_o = 0.67W$$

### 16 Report Number

None

### 17 Special Conditions for Safe Use

The enclosure and junction box or connector body may be plastic, do not clean with solvents or charge by rubbing.

### 18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

### 19 Drawings and Documents

Number	Sheet	Issue	Date	Description
55000-440CS	1 – 3	5	Jun 11	XP95 Intrinsically Safe Heat Detector
55000-540CS	1 – 3	5	Jun 11	XP95 Intrinsically Safe Ionisation Detector
55000-640CS	1 – 3	5	Jun 11	XP95 Intrinsically Safe Optical Smoke Detector





20 Certificate History

Certificate No.	Date	Comments
BAS02ATEX1289	25 September 2002	The release of the prime certificate. The associated test and assessment against the requirements of EN50014:1997 + Amds 1 & 2, EN50020:2002 and EN50284:1999 is documented in Test Report No. 02(C)0238.
BAS02ATEX1289/1	8 March 2006	To permit a minor electrical change to the XP95 IS Heat circuit and alternative PCB layouts for all three detector types.
BAS02ATEX1289/2	24 February 2009	To permit minor changes to the PCBs.
BAS02ATEX1289 Issue 3	10 June 2011	This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and, following minor changes to the PCBs, confirms the current design meets the requirements of EN60079-0:2009 and EN60079-11:2007.

For drawings applicable to each issue, see original of that issue.

Certificate Number  
**BAS02ATEX1289**  
Issue 4



Issued 8 July 2011  
Page 1 of 3

1 **EC - TYPE EXAMINATION CERTIFICATE**

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

3 EC - Type Examination Certificate Number: **BAS02ATEX1289 - Issue 4**

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 re-issued 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

8 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 re-issued certificate and any other supplementary certificate it has issued.

The examination and test results are recorded in confidential Report No. None

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN60079-0:2009 EN60079-11:2007**

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. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

**Ex II IG Ex ia IIC T5 Ga (-20°C ≤ Ta ≤ +45°C) or Ex ia IIC T4 Ga (-20°C ≤ Ta ≤ 60°C)**

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

Baseefa Customer Reference No. **0073**

Project File No. **11/0515**

his 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.

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

**Baseefa**  
Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ  
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)  
Baseefa is a trading name of Baseefa Ltd  
Registered in England No. 4305578. Registered address as above.



13

## Schedule

14

Certificate Number BAS02ATEX1289X – Issue 4

### 15 Description of Equipment or Protective System

The XP95 Range of Intrinsically Safe Fire Monitors is 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 housed in a plastic enclosure which is fitted to a plastic mounting base.

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

#### Input Parameters at Terminal Block TB1:

$$U_o = 28V \quad C_f = 0$$

$$I_o = 93.3mA \quad L_f = 0$$

$$P_o = 0.67W$$

### 16 Report Number

None

### 17 Special Conditions for Safe Use

The enclosure and junction box or connector body may be plastic, do not clean with solvents or charge by rubbing.

### 18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

### 19 Drawings and Documents

Number	Sheet	Issue	Date	Description
55000-440CS	1 – 3	5	Jun 11	XP95 Intrinsically Safe Heat Detector
55000-540CS	1 – 3	5	Jun 11	XP95 Intrinsically Safe Ionisation Detector
55000-640CS	1 – 3	5	Jun 11	XP95 Intrinsically Safe Optical Smoke Detector
44251-049	1 of 1	3	Jun 11	XP95 Intrinsically Safe Mounting Base Printing Detail



20 Certificate History

Certificate No.	Date	Comments
BAS02ATEX1289	25 September 2002	The release of the prime certificate. The associated test and assessment against the requirements of EN50014:1997 + Amds 1 & 2, EN50020:2002 and EN50284:1999 is documented in Test Report No. 02(C)0238.
BAS02ATEX1289/1	8 March 2006	To permit a minor electrical change to the XP95 IS Heat circuit and alternative PCB layouts for all three detector types.
BAS02ATEX1289/2	24 February 2009	To permit minor changes to the PCBs.
BAS02ATEX1289 Issue 3	10 June 2011	This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and, following minor changes to the PCBs, confirms the current design meets the requirements of EN60079-0:2009 and EN60079-11:2007.
BAS02ATEX1289 Issue 4	8 July 2011	To permit minor drawing changes that do not affect the original assessment and a change to the T5 ambient temperature range. The range is now $-20^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$ .

For drawings applicable to each issue, see original of that issue.



Certificate Number  
**BAS02ATEX1289**  
 Issue 5



Issued 12 December 2011  
 Page 1 of 3

**1 EC - TYPE EXAMINATION CERTIFICATE**

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

**3 EC - Type Examination Certificate Number: BAS02ATEX1289 – Issue 5**

**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 re-issued 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

**8** 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 re-issued certificate and any other supplementary certificate it has issued.

The examination and test results are recorded in confidential Report No. None

**9** Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN60079-0:2009 EN60079-11:2007**

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. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

**12** The marking of the equipment or protective system shall include the following :

**(X) II 1G Ex Ia IIC T5 Ga (-20°C ≤ Ta ≤ +45°C) or Ex Ia IIC T4 Ga (-20°C ≤ Ta ≤ 60°C)**

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

Baseefa Customer Reference No. **0073**

Project File No. **11/0963**

his 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.

**Baseefa**

Rockhead Business Park, Staden Lane,  
 Buxton, Derbyshire SK17 9RZ  
 Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
 e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)  
 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



13

## Schedule

14

Certificate Number BAS02ATEX1289X – Issue 5

### 15 Description of Equipment or Protective System

The XP95 Range of Intrinsically Safe Fire Monitors is 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 housed in a plastic enclosure which is fitted to a plastic mounting base.

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

#### Input Parameters at Terminal Block TB1:

$$U_o = 28V \quad C_i = 0$$

$$I_o = 93.3mA \quad L_i = 0$$

$$P_o = 0.67W$$

### 16 Report Number

None

### 17 Special Conditions for Safe Use

The enclosure and junction box or connector body may be plastic, do not clean with solvents or charge by rubbing.

### 18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

### 19 Drawings and Documents

New drawings submitted for this issue of certificate.

Number	Sheet	Issue	Date	Description
55000-440CS	1 – 3	6	Sep 11	XP95 Intrinsically Safe Heat Detector
55000-540CS	1 – 3	6	Sep 11	XP95 Intrinsically Safe Ionisation Detector
55000-640CS	1 – 3	6	Sep 11	XP95 Intrinsically Safe Optical Smoke Detector

Current drawings also associated with this certificate.

Number	Sheet	Issue	Date	Description
44251-049	1 of 1	3	Jun 11	XP95 Intrinsically Safe Mounting Base Printing Detail



20 Certificate History

Certificate No.	Date	Comments
BAS02ATEX1289	25 September 2002	The release of the prime certificate. The associated test and assessment against the requirements of EN50014:1997 + Amds 1 & 2, EN50020:2002 and EN50284:1999 is documented in Test Report No. 02(C)0238.
BAS02ATEX1289/1	8 March 2006	To permit a minor electrical change to the XP95 IS Heat circuit and alternative PCB layouts for all three detector types.
BAS02ATEX1289/2	24 February 2009	To permit minor changes to the PCBs.
BAS02ATEX1289 Issue 3	10 June 2011	This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and, following minor changes to the PCBs, confirms the current design meets the requirements of EN60079-0:2009 and EN60079-11:2007.
BAS02ATEX1289 Issue 4	8 July 2011	To permit minor drawing changes that do not affect the original assessment and a change to the T5 ambient temperature range. The range is now $-20^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$ .
BAS02ATEX1289 Issue 5	12 December 2011	To permit minor electrical changes that do not affect the original assessment.

For drawings applicable to each issue, see original of that issue.



Certificate Number  
**BAS02ATEX1289**  
 Issue 6



Issued 16 November 2012  
 Page 1 of 3

**1 EC - TYPE EXAMINATION CERTIFICATE**

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

**3 EC - Type Examination Certificate Number:** **BAS02ATEX1289 – Issue 6**

**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 re-issued 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

**8** 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 re-issued certificate and any other supplementary certificate it has issued.

The examination and test results are recorded in confidential Report No's. GB/BAS/ExTR12.0292/00

**9** Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2012 EN 60079-11:2012**

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. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

**12** The marking of the equipment or protective system shall include the following :

**⊕ II 1G Ex ia IIC T5 Ga (-20°C ≤Ta ≤+45°C) or Ex ia IIC T4 Ga (-20°C ≤Ta ≤60°C)**

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

Baseefa Customer Reference No. **0073**

Project File No. **12/0554**

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.

**Baseefa**

Rockhead Business Park, Staden Lane,  
 Buxton, Derbyshire SK17 9RZ  
 Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
 e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)  
 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





13

## Schedule

14

Certificate Number BAS02ATEX1289 – Issue 6

### 15 Description of Equipment or Protective System

The XP95 Range of Intrinsically Safe Fire Monitors is 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 housed in a plastic enclosure which is fitted to a plastic mounting base.

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

#### Input Parameters at Terminal Block TB1:

$$U_o = 28V \quad C_i = 0$$

$$I_o = 93.3mA \quad L_i = 0$$

$$P_o = 0.67W$$

### 16 Report Number

GB/BAS/ExTR12.0292/00

### 17 Specific Conditions of Use

The enclosure and junction box or connector body may be plastic, do not clean with solvents or charge by rubbing.

### 18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

### 19 Drawings and Documents

New drawings submitted for this issue of certificate.

Number	Sheet	Issue	Date	Description
55000-440CS	1 – 3	7	Sep 12	XP95 Intrinsically Safe Heat Detector
55000-540CS	1 – 3	7	Sep 12	XP95 Intrinsically Safe Ionisation Detector
55000-640CS	1 – 3	7	Sep 12	XP95 Intrinsically Safe Optical Smoke Detector

Current drawings also associated with this certificate.

Number	Sheet	Issue	Date	Description
44251-049	1 of 1	3	Jun 11	XP95 Intrinsically Safe Mounting Base Printing Detail



20 Certificate History

Certificate No.	Date	Comments
BAS02ATEX1289	25 September 2002	The release of the prime certificate. The associated test and assessment against the requirements of EN50014:1997 + Amds 1 & 2, EN50020:2002 and EN50284:1999 is documented in Test Report No. 02(C)0238.
BAS02ATEX1289/1	8 March 2006	To permit a minor electrical change to the XP95 IS Heat circuit and alternative PCB layouts for all three detector types.
BAS02ATEX1289/2	24 February 2009	To permit minor changes to the PCBs.
BAS02ATEX1289 Issue 3	10 June 2011	This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and, following minor changes to the PCBs, confirms the current design meets the requirements of EN60079-0:2009 and EN60079-11:2007.
BAS02ATEX1289 Issue 4	8 July 2011	To permit minor drawing changes that do not affect the original assessment and a change to the T5 ambient temperature range. The range is now $-20^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$ .
BAS02ATEX1289 Issue 5	12 December 2011	To permit minor electrical changes that do not affect the original assessment.
BAS02ATEX1289 Issue 6	16 November 2012	To permit minor drawing changes that do not affect the original assessment and to confirm that the current design meets the requirements of EN60079-0:2012 and EN60079-11:2012.

For drawings applicable to each issue, see original of that issue.

1 **EC - TYPE EXAMINATION CERTIFICATE**

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

3 EC - Type Examination Certificate Number: **BAS02ATEX1289X – Issue 7**

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 re-issued 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

8 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 re-issued certificate and any other supplementary certificate it has issued.

The examination and test results are recorded in confidential Report No's. See Certificate History

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2012 EN 60079-11:2012**

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. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

**Ex II 1G Ex ia IIC T5 Ga (-20°C ≤Ta ≤+45°C) or Ex ia IIC T4 Ga (-20°C ≤Ta ≤60°C)**

Baseefa Customer Reference No. **0073**

Project File No. **14/0988**

This document is issued by the Company subject to its General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and the Supplementary Terms and Conditions accessible at <http://www.baseefa.com/terms-and-conditions.asp>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

**SGS Baseefa Limited**

Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601

e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)

Registered in England No. 4305578.

Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN

R S SINCLAIR

GENERAL MANAGER

On behalf of SGS Baseefa Limited



13

## Schedule

14

Certificate Number BAS02ATEX1289X – Issue 7

### 15 Description of Equipment or Protective System

The XP95 Range of Intrinsically Safe Fire Monitors is 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 housed in a plastic enclosure which is fitted to a plastic mounting base.

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

#### Input Parameters at Terminal Block TB1:

$$U_o = 28V \quad C_i = 0$$

$$I_o = 93.3mA \quad L_i = 0$$

$$P_o = 0.67W$$

### 16 Report Number

None.

### 17 Specific Conditions of Use

1. 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.

### 18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

### 19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
55000-440CS	1 – 3	8	Nov 14	XP95 Intrinsically Safe Heat Detector
55000-540CS	1 – 3	8	Nov 14	XP95 Intrinsically Safe Ionisation Detector
55000-640CS	1 – 3	8	Nov 14	XP95 Intrinsically Safe Optical Smoke Detector
44251-049	1 of 1	4	Nov 13	XP95 Intrinsically Safe Mounting Base Printing Detail
45681-215	1 of 1	2	Nov 14	XP95 Intrinsically Safe Mounting Base Assy

All drawings are common to, and held with, IECEx BAS 12.0091X Issue 3.



20 Certificate History

Certificate No.	Date	Comments
BAS02ATEX1289	25 September 2002	The release of the prime certificate. The associated test and assessment against the requirements of EN50014:1997 + Amds 1 & 2, EN50020:2002 and EN50284:1999 is documented in Test Report No. 02(C)0238.
BAS02ATEX1289/1	8 March 2006	To permit a minor electrical change to the XP95 IS Heat circuit and alternative PCB layouts for all three detector types. Project File No. 05/0415.
BAS02ATEX1289/2	24 February 2009	To permit minor changes to the PCBs. Project File No. 09/0139.
BAS02ATEX1289 Issue 3	10 June 2011	This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate and, following minor changes to the PCBs, confirms the current design meets the requirements of EN60079-0:2009 and EN60079-11:2007. Project File No. 11/0450.
BAS02ATEX1289 Issue 4	8 July 2011	To permit minor drawing changes that do not affect the original assessment and a change to the T5 ambient temperature range. The range is now $-20^{\circ}\text{C} \leq T_a \leq +45^{\circ}\text{C}$ . Project File No. 11/0515.
BAS02ATEX1289 Issue 5	12 December 2011	To permit minor electrical changes that do not affect the original assessment. Project File No. 11/0963.
BAS02ATEX1289 Issue 6	16 November 2012	To permit minor drawing changes that do not affect the original assessment and to confirm that the current design meets the requirements of EN60079-0:2012 and EN60079-11:2012. Test Report No. GB/BAS/ExTR12.0292/00. Project File No. 12/0554.
BAS02ATEX1289X Issue 7	23 February 2015	To permit minor label changes that introduce an X suffix on the cert number regarding electrostatic ignition risk. Test Report GB/BAS/ExTR15.0059/00. Project File No. 14/0988.
For drawings applicable to each issue, see original of that issue.		