3089. 01

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)

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.

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa

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

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:

$U_o = 28V$ $C_i = 0$

$I_o = 93.3mA$ $L_i = 0$

$P_o = 0.67W$

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°C ≤ Ta ≤ +45°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.		