



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	IECEX BAS 12.0091X	Issue No: 2	Certificate history:
Status:	Current	Page 1 of 4	Issue No. 2 (2013-12-05) Issue No. 1 (2013-04-17) Issue No. 0 (2012-11-16)
Date of Issue:	2013-12-05		
Applicant:	Apollo Fire Detectors Ltd 36 Brookside Road Havant Hampshire PO9 1JR United Kingdom		
Electrical Apparatus:	XP95 Series Fire Detectors		
Optional accessory:			
Type of Protection:	Intrinsic Safety		
Marking:	Ex ia IIC T5 Ga (-20°C ≤ Ta ≤ +45°C) Ex ia IIC T4 Ga (-20°C ≤ Ta ≤ +60°C) Ex ia IIIC T135°C Da (-20°C ≤ Ta ≤ +60°C)		


Approved for issue on behalf of the IECEx  
Certification Body:

R. S. Sinclair

Position:

General Manager

Signature:  
(for printed version)

  
5/12/2013

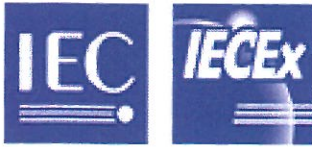
Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

SGS Baseefa Limited  
Rockhead Business Park  
Staden Lane  
Buxton  
Derbyshire  
SK17 9RZ  
United Kingdom





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Manufacturer: **Apollo Fire Detectors Ltd**  
36 Brookside Road  
Havant  
Hampshire  
PO9 1JR  
United Kingdom

Additional Manufacturing  
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements  
Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

*This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

#### Test Report:

[GB/BAS/ExTR12.0292/00](#)

[GB/BAS/ExTR13.0090/00](#)

[GB/BAS/ExTR13.0293/00](#)

#### Quality Assessment Report:

[GB/BAS/QAR06.0060/03](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The XP95 Range of Intrinsically Safe Fire Monitors is designed to detect the presence of fire using ionisation, optical and heat sensing techniques. The Manual Call Point is designed to initiate an alarm on a fire detector system.

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. The Manual Call Point comprises an electronics circuit mounted on a single printed circuit board, an LED and a switch located in a plastic enclosure.

Connections to external circuits are made to the terminals located in the mounting base (detectors) or terminal block TB1 located on the PCB via a cable entry gland (manual call point).

### Input Parameters

$U_i = 28V$      $C_i = 0$   
 $I_i = 93.3mA$      $L_i = 0$   
 $P_i = 0.67W$

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The enclosure may constitute a potential electrostatic ignition hazard and must not be rubbed or cleaned with a dry cloth or mounted in dust laden airflow.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

**Variation 2.1**

To permit minor changes to the Manual Call Point drawings that do not affect the original assessment.

ExTR: GB/BAS/ExTR13.0293/00

File Reference: 13/0986