



## EC - TYPE EXAMINATION CERTIFICATE

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

- 3 EC - Type Examination Certificate Number: **Baseefa08ATEX0270**
- 4 Equipment or Protective System: **Type 016xxx Series Flame Sensor**
- 5 Manufacturer: **Talentum Developments Limited**
- 6 Address: **Beal Lane, Shaw, Oldham, Lancs. OL2 8PF**
- 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 Baseefa Ltd., Notified Body number 1180, 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 No. **GB/BAS/ExTR08/0150/00**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**IEC 60079-0: 2007      EN 60079-1: 2007      EN 61241-1: 2004**  
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 2GD Ex d IIC T4 Gb**  
**Ex tb IIC T135°C Db IP66 A21**  
**(Tamb -40°C to +125°C)**

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

Baseefa Customer Reference No. 3715

Project File No. 08/0141

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

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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 Ltd.



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## Schedule

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Certificate Number Baseefa08ATEX0270

### 15 Description of Equipment or Protective System

The 016xxx Series Flame Sensor comprises a cylindrical enclosure manufactured from aluminium alloy or stainless steel with a threaded cover containing a window. The base has three integral bosses, two of which are drilled and tapped to accept up to three cable entries, the third is used for the attachment of the label.

The interior comprises a type 016xxx flame sensor manufactured by Talentum Developments Limited.

The flame detector is rated up to 30V, 1A.

Cable entry holes are provided as specified on the certified drawings for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with suitable certified flameproof stopping plugs.

The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Equipment (not a Component) under an EC Type Examination Certificate to Directive 94/9/EC.

When used in an explosive dust atmosphere the cable entry devices shall maintain the ingress protection of the enclosure

### 16 Report Number

Baseefa Certification Report: GB/BAS/EXTR08/0150/00.

### 17 Special Conditions for Safe Use

None.

### 18 Essential Health and Safety Requirements

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

The detector has been assessed against the standards listed at item 9 only. The function of the detector when used as part of a safety system is the responsibility of the end user.

### 19 Drawings and Documents

Number	Sheet	Issue	Date	Description
A2/1526/01	-	A	12.12.08	General Assembly
A1/1526/02	-	A	14.05.08	Enclosure Details
A4/1526/03	-	B	02.05.08	Certification Label

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: **Baseefa08ATEX0270/1**

4 Equipment or Protective System: **Type 016xxx Series Flame Sensor**

5 Manufacturer: **FFE Ltd**

6 Address: **9 Hunting Gate, Wilbury Way, Hitchin, Hertfordshire, SG4 0TJ**

7 This supplementary certificate extends EC - Type Examination Certificate No. Baseefa08ATEX0270 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 Item 9 of the original Certificate is replaced by "Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2012 +A11:2013      EN 60079-1:2014      EN 60079-31:2014**

except in respect of those requirements listed at item 18 of the Schedule."

9 The marking of the equipment has changed from the original Certificate and shall include the following:

**(Ex) II 2 GD    Ex db IIC T4 Gb  
Ex tb IIC T135°C Db  
Tamb = -40°C to 85°C**

This certificate shall be held with the original certificate.

Baseefa Customer Reference No. 7221

Project File No. 14/0909

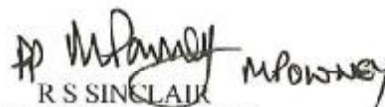
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R S SINCLAIR  
GENERAL MANAGER  
On behalf of SGS Baseefa Limited

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### Schedule

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Certificate Number Baseefa08ATEX0270/1

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

##### Variation 1.1

To confirm that the type 016xxx series fire sensor covered by this certificate has been reviewed as being in compliance with the latest standards as listed below:-

EN 60079-0:2012 +A11:2013, EN 60079-1:2014 and EN 60079-31:2014.

##### Variation 1.2

The ambient temperature range has been reduced to :-

Tamb = -40°C to 85°C

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#### Report Number

SGS Baseefa Report Number GB/BAS/ExTR 15.0028/00

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#### Specific Conditions of Use

None

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#### Essential Health and Safety Requirements

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

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#### Drawings and Documents

Number	Sheet	Issue	Date	Description
A4/1526/03	1	D	21/01/2015	Part number & serial number label for Ex d Housing
A2/1526/01	1	B	14/04/2015	Internal arrangement of Ex d housing

The above drawings are common to IECEx BAS 08.0073 and Baseefa08ATEX0270 and are held with the latest one.