



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

Certificate No.: issue No.:

Status:

Date of Issue: Page 1 of 3

Applicant: **Talentum Developments Limited**
Beal Lane
Shaw
Oldham
OL2 8PF
United Kingdom

Electrical Apparatus: **Type 016xxx Series Flame Sensor**
Optional accessory:


Type of Protection: **Flameproof & Dust**

Marking: **Ex d IIC T4 Gb**
Ex tb IIIC T135oC Db IP66 A21
(Tamb -40C to + 125C)

Approved for issue on behalf of the IECEX Certification Body: **R S Sinclair**

Position: **Managing Director**

Signature:
(for printed version)



8-1-09

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:

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





IECEX Certificate of Conformity

Certificate No.: IECEx BAS 08.0073

Date of Issue: 2009-01-06

Issue No.: 0

Page 2 of 3

Manufacturer: **Talentum Developments Limited**
Beal Lane
Shaw
Oldham
OL2 8PF
United Kingdom

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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

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/ExTR08.0150/00](#)

Quality Assessment Report:

[GB/BAS/QAR09.0001/00](#)



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Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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 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).

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

CONDITIONS OF CERTIFICATION: NO