



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.:	<b>IECEX BAS 11.0002X</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 4	Issue 3 (2016-07-06)
Date of Issue:	2023-02-16		Issue 2 (2013-02-01)
Applicant:	<b>Cable Systems Ltd</b> 2-6 Gawsworth Court Risley Road Birchwood Warrington Cheshire WA3 6NJ <b>United Kingdom</b>		Issue 1 (2012-10-19)
Equipment:	<b>EXMO Motion sensor and Light Control</b>		Issue 0 (2011-03-14)
Optional accessory:			
Type of Protection:	<b>Flameproof, dust ignition</b>		
Marking:	<b>Ex db IIC T6 Ta -40°C to +54°C Gb</b> <b>Ex tb IIIC T85°C Ta -40°C to +54°C Db IP66</b>		

Approved for issue on behalf of the IECEx  
Certification Body:

**R S Sinclair**

Position:

**Technical Manager**

Signature:  
(for printed version)

pp D. Brearley

Date:  
(for printed version)

16/02/2023

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Certificate issued by:

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





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Manufacturer: **Cable Systems Ltd**  
2-6 Gawsworth Court  
Risley Road  
Birchwood  
Warrington  
Cheshire WA3 6NJ  
**United Kingdom**

Manufacturing locations: **Cable Systems Ltd**  
2-6 Gawsworth Court  
Risley Road  
Birchwood  
Warrington  
Cheshire WA3 6NJ  
**United Kingdom**

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

This Certificate **does not** indicate compliance with 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 Reports:

[GB/BAS/ExTR11.0006/00](#)  
[GB/BAS/ExTR21.0232/00](#)

[GB/BAS/ExTR12.0267/00](#)

[GB/BAS/ExTR13.0013/00](#)

Quality Assessment Report:

[GB/BAS/QAR13.0009/06](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The EXMO Motion Sensor and Light Controller comprises a number of printed circuit boards mounted within a type XD-Slwin stainless steel or a type XD-Iwin aluminium enclosure manufactured by Limatherm to IECEx FTZU 10.0010U and IECEx FTZU 12.0017U respectively.

The threaded enclosure covers are provided with a window and a locking screw and the base has three threaded M20 or ¾" NPT cable entries.

The controller is rated up to 250V a.c. or 28V d.c., 4W.

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.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. The flamepaths are not to be repaired.
2. If the enclosure is Type XD-I, it must be installed to avoid a risk from propagating brush discharges for application in explosive dust atmospheres



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

### Variation 4.1

To assess the product against the requirements of IEC 60079-0: 2017, IEC 60079-1: 2014 and IEC 60079-31: 2013.

### Variation 4.2

To amend the equipment type name.

ExTR: **GB/BAS/ExTR21.0232/00**

File Reference: **21/0787**