

## EU - TYPE EXAMINATION CERTIFICATE

### Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

- EU - Type Examination Certificate    **Baseefa11ATEX0005X – Issue 3**  
Number:
- 3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.
- Product:                                    **EXMO Motion Sensor and Light Controller**
- Manufacturer:                            **Cable Systems Ltd**
- Address:                                    **2-6 Gawsorth Court, Risley Road, Birchwood, Warrington, Cheshire, WA3 6NJ  
United Kingdom**
- This re-issued certificate extends EC Type Examination Certificate No. **Baseefa11ATEX0005X** to apply to product 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.
- SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- 8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.
- The examination and test results are recorded in confidential Report No. – **See Certificate History**
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN IEC 60079-0: 2018      EN 60079-1: 2014      EN 60079-31: 2014**
- except in respect of those requirements listed at item 18 of the Schedule.
- If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- The marking of the product shall include the following:

 **II 2GD      Ex db IIC T6 Ta -40°C to +54°C Gb      Ex tb IIIC T85°C Ta -40°C to +54°C Db IP66**

SGS Fimko Oy Customer Reference No. **3388**

Project File No. **21/0787**

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Mikko Välimäki  
Authorised Signatory for SGS Fimko Oy

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13 **Schedule**

14 **Certificate Number Baseefa11ATEX0005X – Issue 3**

15 **Description of Product**

The EXMO Motion Sensor and Light Controller comprises a number of printed circuit boards mounted within a type XD-SIwin 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.

16 **Report Number**

See Certificate History

17 **Specific Conditions of Use**

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

18 **Essential Health and Safety Requirements**

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject	Compliance
1.4.1	External effects	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions
1.4.2	Aggressive substances, etc.	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions

19 **Drawings and Documents**

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
ALC-102	1 of 1	3	3.1.23	General Assembly Limatherm Enclosure

Current drawings which remain unaffected by this issue:

None

The drawings are common to IECEx BAS 11.0002X and BAS21UKEX0847X.

20 Certificate History

Certificate No.	Date	Comments
Baseefa11ATEX0005	7 March 2011	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0: 2009, EN 60079-1: 2007 and IEC 60079-31: 2008.  Baseefa Report GB/BAS/ExTR11.0006/00.
Baseefa11ATEX0005/1	16 October 2012	A modification to the internal PCB to replace the switching relays, with a corresponding change to the switched current ratings (from 2x 10A to 1x 10A & 1x 1A).  Baseefa Confidential Report GB/BAS/ExTR12.0267/00
Baseefa11ATEX0005/2	31 January 2013	To permit an increase in the maximum ambient temperature from 50°C to 54°C.  Also, to permit a change of photo detector.  Baseefa Report GB/BAS/ExTR13.0013/00
Baseefa11ATEX0005X – Issue 3	15 February 2023	To assess the equipment against the requirements of EN IEC 60079-0: 2018, EN 60079-1: 2014 and EN 60079-31: 2014.  To amend the equipment type name.  This issue has introduced two Specific Conditions of Use.  SGS Baseefa Certification Report GB/BAS/ExTR21.0232/00.  This issue of the certificate incorporates the Prime and issued Supplements into one certificate.
For drawings applicable to each issue, see original of that issue.		