

1 **UK-TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1**

3 UK-Type Examination Certificate Number: **BAS21UKEX0847X**

4 Product: **EXMO Motion Sensor and Light Controller**

5 Manufacturer: **Cable Systems Ltd**

6 Address: **2-6 Gawsforth Court, Risley Road, Birchwood, Warrington, Cheshire,
WA3 6NJ United Kingdom**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 Schedule 1 of the Regulations.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR21.0232/00**

9 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.

10 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.

11 This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following :

Ex 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 Baseefa Customer Reference No. **3388**

Project File No. **21/0787**

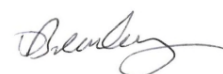
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R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number BAS21UKEX0847X

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

SGS Baseefa Certification Report GB/BAS/ExTR21.0232/00

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
21(1)	External effects
21(2)	Aggressive substances, etc.

19 Drawings and Documents

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

The drawings are common to IECEx BAS 11.0002X and Baseefa11ATEX0005X.