

(1) EC-TYPE EXAMINATION CERTIFICATE

(2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC

(3) EC-Type Examination Certificate Number: **KEMA 01ATEX2222 X** Issue Number: **2**

(4) Equipment: **Electronic Beacon/Beacon Type BExCBG05-05D**

(5) Manufacturer: **European Safety Systems Ltd.**

(6) Address: **Impress House, Mansell Road, Acton, London W3 7QH, UK**

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

(8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment 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 test report number 213023400/1.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2006
EN 61241-0 : 2006

EN 60079-1 : 2007
EN 61241-1 : 2004

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment 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, examination and tests of the specified equipment according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:



II 2 G Ex d IIB T4 or T5
II 2 D Ex tD A21 IP6X T100 °C or T115 °C

This certificate is issued on April 9, 2010 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

KEMA Quality B.V.

T. Pijpker
Certification Manager



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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 01ATEX2222 X** Issue No. 2

(15) **Description**

The Electronic Beacon/Beacon Type BExCBG05-05D, housed in aluminium enclosures in type of protection flameproof enclosure "d", is used to provide visual warning signals.

Electrical data

Supply voltage	12 Vdc	24 Vdc	48 Vdc	115 Vac	230 Vac
Current (2x)	750 mA	300 mA	180 mA	140 mA	55 mA

Installation instructions

The manual provided with the equipment shall be followed in detail to assure safe operation.

Marking

The relation between the Beacon/Beacon, the ambient temperature range and the marking for gas and dust applications is given in the tables below.

GAS		
Ambient temp.	-50 °C to +55 °C	-50 °C to +70 °C
BExCBG05-05D	II 2G Ex d IIB T5	II 2G Ex d IIB T4

DUST		
Ambient temp.	55 °C	70 °C
BExCBG05-05D	II 2D Ex tD A21 IP6X T100	II 2D Ex tD A21 IP6X T115

(16) **Test Report**

KEMA No. 213023400/1.

(17) **Special conditions for safe use**

In case of repair, contact the manufacturer for information on the dimensions of the flameproof joints.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 213023400/1.