



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.: IECEx BAS 07.0014 issue No.:1

Status: **Current**

Certificate history:
Issue No. 1 (2009-4-3)
Issue No. 0 (2007-5-1)

Date of Issue: **2009-04-03** Page 1 of 4

Applicant: **Kinetrol Limited**
Kinetrol Limited
Trading Estate
Farnham
Surrey
GU9 9NU
United Kingdom

Electrical Apparatus: **XLS Box**
Optional accessory:

Type of Protection: **Exd ExtD**

Marking: **Exd IIC T5 ExtD T95°C (- 40°C ≤ ta ≤ + 80°C)**
IECEx BAS07.0014

Approved for issue on behalf of the IECEx
Certification Body:

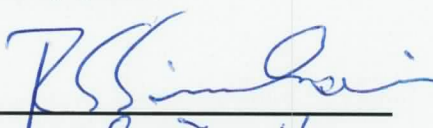
R S Sinclair

Position:

Managing Director

Signature:
(for printed version)

Date:


18-7-11

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





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Page 2 of 4

Manufacturer: **Kinetrol Limited**
Trading Estate
Farnham
Surrey
GU9 9NU
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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
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/ExTR07.0031/00 --- GB/BAS/ExTR09.0051/00

Quality Assessment Report:

GB/SIR/QAR07.0011/00



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 07.0014

Date of Issue: 2009-04-03

Issue No.: 1

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The XLS Flameproof Limit Switch comprises a circular enclosure with a threaded cover manufactured from aluminium. The enclosure has a steel operating rod passing through the centre of the base and cover. The top of the operating rod may be fitted with an indicating assembly, and the base of the shaft is fitted with a square socket for connection to various types of instruments. Internally there is a series of microswitches, a PCB, and connecting terminals which may be installed in different configurations to create different Flameproof Limit Switch units.

To obviate the risk from internal hotspots associated with the XLS Flameproof Limit Switch the enclosure must not be opened even when isolated, when a flammable atmosphere is present. A label stating this information is fitted externally to each and every enclosure.

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).

Internal and external earthing facilities are provided.

CONDITIONS OF CERTIFICATION: NO

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Date of Issue: 2009-04-03

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Page 4 of 4

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

Variation 1.1

To permit minor modifications including a 2mm undercut to the cable entries.

This arrangement is intended for use with NPT cable glands or stopping plugs having a thread length not less than the "L4" dimension to ANSI/ASME B1.20.1, e.g. to IEC 60079-1: 2007.

ExTR: GB/BAS/ExTR09.0051/00

File Reference: 08/0981