



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 ITS 13.0052X issue No.:2

Status: **Current**

Certificate history:
Issue No. 2 (2016-2-26)
Issue No. 1 (2015-12-16)
Issue No. 0 (2014-2-4)

Date of Issue: **2016-02-26** Page 1 of 4

Applicant: **KINETROL LIMITED**
Trading Estate
Farnham
Surrey
GU9 9NU
United Kingdom

Electrical Apparatus: **TYPE ULS UNIVERSAL LIMIT SWITCH BOX**
Optional accessory:

Type of Protection: **Intrinsic safety 'ia'**

Marking: Ex ia IIC T4 Ga
Ex ia IIIC T130°C Da
-20°C ≤ Ta ≤ +80°C

Approved for issue on behalf of the IECEx
Certification Body:

A T Austin

Position:

Certification Officer

Signature:
(for printed version)

Date:

2016-02-26

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.

Certificate issued by:

Intertek Testing & Certification Limited
ITS House, Cleeve Road,
Leatherhead,
Surrey, KT22 7SB
United Kingdom



IECEX Certificate of Conformity

Certificate No.: IECEx ITS 13.0052X

Date of Issue: 2016-02-26

Issue No.: 2

Page 2 of 4

Manufacturer: **KINETROL LIMITED**
Trading Estate
Farnham
Surrey
GU9 9NU
United Kingdom

Additional 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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2006 Edition: 2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga

*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/ITS/ExTR13.0058/00

GB/ITS/ExTR13.0058/01

Quality Assessment Report:

GB/SIR/QAR07.0011/04



IECEX Certificate of Conformity

Certificate No.: IECEx ITS 13.0052X

Date of Issue: 2016-02-26

Issue No.: 2

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Type ULS Limit Switch Box consists of an enclosure fitted with either one or two approved inductive sensors Type NJ2-V3-N..., IECEx PTB 11.0021X or IFM NS5002, IECEx BVS 06.0003, to form a Type ULS 001 unit or one or two microswitches to form a Type 009 unit.

The equipment is to be fitted to valve actuators in the Kinetrol range 03 to 14 to indicate the position of quarter turn valves. The switch box is mounted onto valve actuators by means of two or four screws and a square section shaft. Discrete mount versions may be fitted to other devices by four screws and either a square section or flat sided shaft. Both internal and external earthing facilities are provided. The enclosure provides a degree of protection of at least IP54.

The maximum input parameters per sensor Type ULS 001 are:

$U_i = 16 \text{ V}$

$I_i = 25 \text{ mA}$

$P_i = 64 \text{ mW}$

The maximum input parameters per microswitch Type USL 009 are:

$U_i = 28 \text{ V}$

$I_i = 93 \text{ mA}$

$P_i = 655 \text{ mW}$

CONDITIONS OF CERTIFICATION: YES as shown below:

When installed in a Zone 0 potentially explosive atmosphere requiring EPL Ga apparatus, the equipment shall be installed such that even in the event of rare incidents, an ignition source due to impact or friction between the aluminium alloy parts of the enclosure are excluded.



IECEx Certificate of Conformity

Certificate No.: IECEx ITS 13.0052X

Date of Issue: 2016-02-26

Issue No.: 2

Page 4 of 4

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

Issue 1

Intertek Report Ref G102247499 dated December 2015

To permit the following changes:

Modifications made to the joints of the IP54 enclosure for the equipment.

Drawings modified to reflect the above changes

Issue 2

Intertek Report Ref G102247499 dated December 2015

To permit the following changes:

Alternative metallic materials used for the enclosure

Drawings modified to reflect the above changes