



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.: issue No.:

Status:

Date of Issue: **2011-03-02** Page 1 of 3

Applicant: **K Controls Limited**
2 Crown Way
Crown Business Centre
Horton Road
West Drayton
Middlesex
UB7 8HZ
United Kingdom

Electrical Apparatus: **Type 007-100 IIC Position Monitor**
Optional accessory:

Type of Protection: **Flameproof and Dust Protected**


Marking: **Ex d IIC T* Ta -60°C to + °C Gb**
Ex tb IIIC T* Ta -60°C to + °C Db IP67

Approved for issue on behalf of the IECEx
Certification Body:

 R S Sinclair 

Position: Managing Director 2 Crown Way

Signature:
(for printed version)



Date: 2/3/11

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.

Certificate issued by:

Baseefa
Rockhead Business Park
Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom





IECEX Certificate of Conformity

Certificate No.: IECEx BAS 11.0004

Date of Issue: 2011-03-02

Issue No.: 0

Page 2 of 3

Manufacturer: **K Controls Limited**
2 Crown Way
Crown Business Centre
Horton Road
West Drayton
Middlesex
UB7 8HZ
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 : 2007-10** Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5
- IEC 60079-1 : 2007-04** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6
- IEC 60079-31 : 2008** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition: 1

*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/ExTR11.0009/00

Quality Assessment Report:

GB/BAS/QAR06.0081/02



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 11.0004

Date of Issue: 2011-03-02

Issue No.: 0

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Type 007-100 IIC Position Monitor comprises an upper and base housing manufactured from aluminium alloy, or stainless steel. The two halves are secured by two M6 screws of minimum grade A2-70 stainless steel.

The enclosure may contain terminals, an electronics module, and cams attached to a shaft which passes through the base housing. The cams operate switches, proximity sensors or potentiometers. The upper housing is fitted with a shaft, driven from the cam shaft, to provide an external visual indication of the shaft position. The combination of switches, sensors, proximity sensors or potentiometers etc are coded for the temperature classification and maximum ambient as indicated below. The respective maximum ratings are specified on the schedule drawings.

Code	TemperatureClassification	AmbientTemperatureRange
SC6	T6	-60°C to + 40°C
SC6H	T6	-60°C to + 70°C
SC4	T4	-60°C to + 80°C
SC4H	T4	-60°C to + 120°C

The base is provided with up to two threaded cable entries, and the position monitor is rated up to 275V 10A.

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.

CONDITIONS OF CERTIFICATION: NO