



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 06.0054 issue No.: 0 History:

Status: **Current**

Date of Issue: **2007-05-21** Page 1 of 3


Applicant: **K Controls Ltd**
Process House
Stone Close
Horton Road
West Drayton
Middlesex
UB7 8JU
United Kingdom

Electrical Apparatus: **007 IIC Position Monitor**
Optional accessory:

Type of Protection: **Ex d and ExtD**

Marking: **Ex d IIC tD A21 IP67 T* (-50°C ≤ Tamb ≤ *)**
***See Schedule**

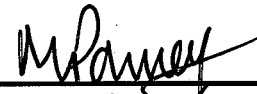
Approved for issue on behalf of the IECEx
Certification Body:

 R S Sinclair

Position:

Managing Director

Signature:
(for printed version)


M POWNEY
21/05/07

Date:

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 (2001) Ltd.
Rockhead Business Park
Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom





IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 06.0054**
Date of Issue: **2007-05-21** Issue No.: **0**
Page 2 of 3

Manufacturer: **K Controls Limited**
Process House
Stone Close
Horton Road
West Drayton
Middlesex
UB7 8JU
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 manufacture'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/ExTR06.0076/00

Quality Assessment Report:

GB/BAS/QAR06.0081/00



IECEx Certificate of Conformity

Certificate No.: **IECEx BAS 06.0054**

Date of Issue: **2007-05-21**

Issue No.: **0**

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Type 007 IIC Position Monitor comprises a cast cylindrical enclosure and flanged cover both manufactured from stainless steel or aluminium.

The cover is secured with four M6, 16mm long stainless steel socket head cap screws grade A2-70 minimum.

The enclosure may contain terminals, an encapsulated electronic module, a potentiometer and up to four cams attached to a shaft which passes through the base of the enclosure. The cams operate either switches or proximity sensors. The cover may be fitted with a shaft, driven from the cam shaft, to provide an external visual indication of the shaft position.

The internal arrangements have various ratings up to 275V.

Up to four cable entry holes are provided 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 suitable 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) under an EC-Type Examination Certificate to Directive 94/9/EC.

When used in an explosive dust atmosphere the cable entry devices shall maintain the ingress protection of the enclosure.

Temperature markings and ambient ranges where x indicates the combination of internal devices are as follows:

For subtypes identified as C6.x – T85°C (-50°C ≤ Tamb ≤ +40°C)

For subtypes identified as C5.x - T100°C (-50°C ≤ Tamb ≤ +40°C)

For subtypes identified as C4.x - T135°C (-50°C ≤ Tamb ≤ +80°C)

CONDITIONS OF CERTIFICATION: NO



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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Certificate No.: IECEx BAS 06.0054 issue No.: 1
Status: **Current**
Date of Issue: **2008-07-09** Page 1 of 4
Certificate history:
Issue No. 1 (2008-7-9)
Issue No. 0 (2007-5-21)

Applicant: **K Controls Ltd**
Process House
Stone Close
Horton Road
West Drayton
Middlesex
UB7 8JU
United Kingdom

Electrical Apparatus: **007 IIC Position Monitor**
Optional accessory:

Type of Protection: **Ex d and ExtD**

Marking: **Ex d IIC tD A21 IP67 T* (-50°C ≤ Tamb ≤ *)**
***See Schedule**

Approved for issue on behalf of the IECEx Certification Body: R S Sinclair
Position: Managing Director
Signature: 
(for printed version)
Date: 14-7-08

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Certificate issued by:

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





IECEX Certificate of Conformity

Certificate No.: IECEx BAS 06.0054

Date of Issue: 2008-07-09

Issue No.: 1

Page 2 of 4

Manufacturer: **K Controls Limited**
Process House
Stone Close
Horton Road
West Drayton
Middlesex
UB7 8JU
United Kingdom

Manufacturing location(s):

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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/ExTR06.0076/00
GB/BAS/ExTR08.0138/00

Quality Assessment Report:

GB/BAS/QAR06.0081/00



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 06.0054

Date of Issue: 2008-07-09

Issue No.: 1

Page 3 of 4

Schedule

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For subtypes identified as C5.x - T100°C (-50°C ≤ Tamb ≤ +40°C)

For subtypes identified as C4.x - T135°C (-50°C ≤ Tamb ≤ +80°C)

CONDITIONS OF CERTIFICATION: NO



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 06.0054

Date of Issue: 2008-07-09

Issue No.: 1

Page 4 of 4

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

Variation 1.1

To permit tapped holes in the cover for jacking screws.

Variation 1.2

Alternative securing arrangement for the chassis plate.

ExTR: GB/BAS/ExTR08.0138/00

File Reference: 08/0491



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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Certificate No.: **IECEX BAS 06.0054** issue No.: **2**

Status: **Current**

Date of Issue: **2008-12-18**

Page 1 of 4

Certificate history:

Issue No. 2 (2008-12-18)

Issue No. 1 (2008-7-9)

Issue No. 0 (2007-5-21)

Applicant: **K Controls Ltd**
Process House
Stone Close
Horton Road
West Drayton
Middlesex
UB7 8JU
United Kingdom

Electrical Apparatus: **007 IIC Position Monitor**
Optional accessory:

Type of Protection: **Ex d and ExtD**

Marking: **Ex d IIC tD A21 IP67 T* (-50°C ≤ Tamb ≤ *)**
*See Schedule

Approved for issue on behalf of the IECEX
Certification Body:

R S Sinclair

Position:

Managing Director

Signature:
(for printed version)

Date:

18-12-08

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Certificate issued by:

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





IECEX Certificate of Conformity

Certificate No.: IECEx BAS 06.0054

Date of Issue: 2008-12-18

Issue No.: 2

Page 2 of 4

Manufacturer: **K Controls Limited**
Process House
Stone Close
Horton Road
West Drayton
Middlesex
UB7 8JU
United Kingdom

Manufacturing location(s):

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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/ExTR06.0076/00
GB/BAS/ExTR08.0138/00
GB/BAS/ExTR08.0251/00

Quality Assessment Report:

GB/BAS/QAR06.0081/00



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 06.0054

Date of Issue: 2008-12-18

Issue No.: 2

Page 3 of 4

Schedule

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For subtypes identified as C5.x - T100°C (-50°C ≤ Tamb ≤ +40°C)

For subtypes identified as C4.x - T135°C (-50°C ≤ Tamb ≤ +80°C)

CONDITIONS OF CERTIFICATION: NO



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 06.0054

Date of Issue: 2008-12-18

Issue No.: 2

Page 4 of 4

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

Variation 2.1

To permit alternative internal arrangements as indicated below.

C6.13 Up to 4 single pole switches rated 275V 4A maximum, with electronic circuits and or a potentiometer rated 36V d.c. 1W maximum.

C6.14 Up to 4 proximity sensors rated 240V 250mA maximum, with electronic circuits and or a potentiometer rated 36V d.c. 1W maximum.

The above are coded Ex d IIC tD A21 IP67 T85°C (Tamb -50°C to + 40°C).

C4.12 Up to 4 single pole switches rated 275V 9A maximum, with electronic circuits and or a potentiometer rated 36V d.c. 1W maximum.

C4.13 Up to 4 proximity sensors rated 240V 250mA maximum, with electronic circuits and or a potentiometer rated 36V d.c. 1W maximum.

The above are coded Ex d IIC tD A21 IP67 T135°C (Tamb -50°C to + 80°C).

ExTR: GB/BAS/ExTR08.0251/00

File Reference: 08/0915



21 December 2009

1. **QUALITY ASSURANCE NOTIFICATION**

2. **Equipment or Protective Systems or Components Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC**

3. **Notification number: Baseefa ATEX 0600**

4. Equipment or Protective systems or Components are as listed in the Schedule attached to this Notification.

5. Applicant: See Manufacturer

6. Manufacturer:

K. Controls Ltd
2 Crown Way
Crown Business Centre
Horton Road
West Drayton, Middlesex
UB7 8HZ

7. Baseefa Ltd., Notified Body No. 1180 for Annexes IV and VII in accordance with article 9 of the Council Directive 94/9/EC of the 23 March 1994, notifies to the applicant that the actual manufacturer has a quality system which complies with Annexes IV and VII of the Directive.

8. This Notification is based upon Audit Report No. 0600 issued on 03/06/2008.

This Notification can be withdrawn if the manufacturer no longer satisfies the requirements of the Annexes IV and VII.

Results of periodical re-assessment of the quality system are a part of this Notification.

9. This Notification is valid until 19/08/2011 and can be withdrawn if the manufacturer does not satisfy the quality assurance re-assessment.

10. According to Article 10 [1] of the Directive 94/9/EC the CE marking shall be followed by the identification number 1180 identifying the notified body involved in the production control stage.

This Notification may only be reproduced in its entirety and without any change.

Baseefa

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire, SK17 9RZ. United Kingdom.
Tel. +44 (0)1298 766600 Fax. +44 (0)1298 766601
e-mail info@baseefa.com web site www.baseefa.com

Baseefa is a trading name of Baseefa Ltd

Registered in England No. 4305578. Registered address as above

R S SINCLAIR
DIRECTOR

On behalf of Baseefa

Re-issued to amend company address



Schedule to ATEX Quality Assurance Notification / IECEx Quality Assessment Report

Number: 0600
Issued to: K. Controls Ltd

Products for which the Manufacturer controls the design and manufacture of the product		
Product Type Designation	Type Examination Certificate Number (Including ATEX)	IECEx Certificate of Conformity Number
Product category - Ex Dust "ia"		
007 Switchbox	Baseefa03ATEX0336	
OPTI -SET Switchbox	Baseefa03ATEX0340	
007C Control Centre	Baseefa03ATEX0337	
007 K4-20 Position Transmitter	Baseefa03ATEX0338	
Switch/Solenoid Module Control Unit	Baseefa03ATEX0339	
007 IS Position Monitor	Baseefa08ATEX0013	
Product category - Ex "d"		
Type 007 Control Monitor	BAS00ATEX2154	
Product category - Ex "ed"		
Type 007 'M6' Switchbox	Baseefa02ATEX0241X	
Product category - Ex "d" tD		
007 IIC Position Monitor	Baseefa06ATEX0223	IECEx BAS 06.0054
Type 007 Control Monitor	Baseefa07ATEX0183	IECEx BAS 07.0051