



1 **EC - TYPE EXAMINATION CERTIFICATE**

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

- 3 EC - Type Examination Certificate Number: **Baseefa07ATEX0183**
- 4 Equipment or Protective System: **Type 007 Control Monitor**
- 5 Manufacturer: **K Controls Limited**
- 6 Address: **West Drayton, Middlesex, UB7 8JU**

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

8 Baseefa (2001) Ltd., Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system 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 Report No. **GB/BAS/ExTR07.0099/00**

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

**EN60079-0: 2004**  
**EN60079-1: 2004**  
**IEC61241-0: 2004**  
**IEC61241-1: 2004**

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system 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 and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

**⊕ II 2 GD Ex d IIB+H2 tD A21 IP67 T\* (-50°C ≤ Tamb ≤ \*) \*See Schedule**

This certificate may only be reproduced in its entirety, without any change, schedule included.

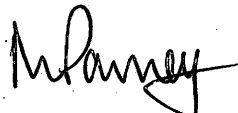

Baseefa Customer Reference No. **0600**

Project File No. **04/0883**

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

**Baseefa**

Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ  
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)  
Baseefa is a trading name of Baseefa (2001) Ltd  
Registered in England No. 4305578 at the above address

  
PPR S SINCLAIR   
DIRECTOR  
On behalf of  
Baseefa (2001) Ltd.

re-issued 16<sup>th</sup> February 2010 to replace original



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## Schedule

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Certificate Number Baseefa07ATEX0183

### 15 Description of Equipment or Protective System

The Type 007 Control Monitor comprises a cast aluminium alloy enclosure with a stainless steel shaft passing through the base. The cover is secured to the base by eight M6 by 20mm long stainless steel socket head cap screws of grade A2-70 or stronger.

The enclosure may contain terminals, an encapsulated electronic module a potentiometer and up to four cams attached to the 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 B6.x – T85°C (-50°C ≤ Tamb ≤ +40°C)

For subtypes identified as B5.x - T100°C (-50°C ≤ Tamb ≤ +40°C)

For subtypes identified as B4.x - T135°C (-50°C ≤ Tamb ≤ +80°C)

Alternative ambient temperature ranges that are within the maximum as shown above may also be used.

### 16 Report Number

Baseefa Certification Report GB/BAS/ExTR07.0099/00

### 17 Special Conditions for Safe Use

None

### 18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

### 19 Drawings and Documents

Number	Revision	Date	Description
C09265 Sheets 1 to 3	2	27.02.06	General Assembly & Description of Options
C09266	2	27.02.06	Visual Indicator
C09267	1	13.07.05	Monitor Internals – Potentiometer Feedback



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<b>Number</b>	<b>Revision</b>	<b>Date</b>	<b>Description</b>
C09268	1	13.07.05	Monitor Internals – Electronic Feedback
C09269	1	13.07.05	Monitor Internals – Remote Solenoid Connection
C09897	1	19.07.07	Certification Label

These drawings are common to and held with IECEx BAS 07.0051.



**1 SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

**3** Supplementary EC - Type Examination Certificate Number: **Baseefa07ATEX0183/1**

**4** Equipment or Protective System: **Type 007 Control Monitor**

**5** Manufacturer: **K Controls Limited**

**6** Address: **2 Crown Way, Crown Business Centre,  
West Drayton, Middlesex, UB7 8HZ**

**7** This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa07ATEX0183** to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

**8** Item 9 of the original Certificate is replaced by "Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0: 2009**  
**EN 60079-1: 2007**  
**EN 60079-31: 2009**

except in respect of those requirements listed at item 18 of the Schedule."

**9** The marking of the equipment has changed from the original Certificate and shall include the following:

**Ex II 2 GD Ex d IIB + H<sub>2</sub> T\* Ta -50°C to + \*\*°C Gb Ex tb IIIC T\*\*°C Ta -50°C to + \*\*°C Db IP68**

This certificate shall be held with the original certificate and may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **0600**

Project File No. **11/0613**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.


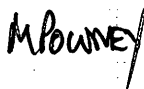
**Baseefa**

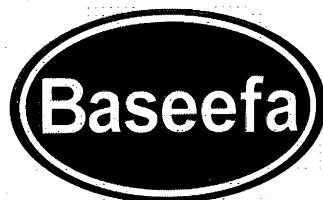
Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://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



## Schedule

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Certificate Number Baseefa07ATEX0183/1

15 Description of the variation to the Equipment or Protective System

### Variation 1.1

The equipment covered by this certificate has been reviewed against the requirements of EN 60079-0: 2009, EN 60079-1: 2007 and EN 60079-31: 2009 in respect of the differences from the standards to which this certificate was issued and compliance is confirmed.

The monitor is marked as indicated below depending upon the internal equipment installed.

Ex d IIB + H<sub>2</sub> T6 Ta -50°C to + 40°C Gb  
Ex tb IIIC T85°C Ta -50°C to + 40°C Db IP68

or

Ex d IIB + H<sub>2</sub> T5 Ta -50°C to + 40°C Gb  
Ex tb IIIC T100°C Ta -50°C to + 40°C Db IP68

or

Ex d IIB + H<sub>2</sub> T4 Ta -50°C to + 80°C Gb  
Ex tb IIIC T135°C Ta -50°C to + 80°C Db IP68

The ingress protection IPX8 rating is 96 hours immersion at 30 metres.

16 Report Number

Baseefa Certification Report GB/BAS/ExTR11.0211/00.

17 Specific Conditions of Use

None

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
C09265	1	3	10.11.11	General Assembly & Description of Options
C09265	2	3	10.11.11	General Assembly & Description of Options
C09265	3	3	10.11.11	General Assembly & Description of Options
C09266	1	3	10.11.11	Visual Indicator
C09897	1	2	10.11.11	Certification Label

These drawings are common to and held with IECEx BAS 07.0051.