



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 SIR 09.0145 issue No.:0 Certificate history:.....

Status: Current

Date of Issue: 2010-01-21 Page 1 of 4

Applicant: **Rotork Controls Limited**
Brassmill Lane
Bath
Somerset BA1 3JQ
United Kingdom

Electrical Apparatus: **I.S. Bluetooth® Setting Tool**
Optional accessory:

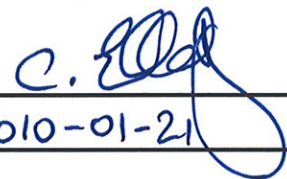
Type of Protection: **Intrinsic Safety**

Marking: **Ex ia IIC T4 Ga**
(Ta: -30°C to +50°C)
IEC 60079-0:2007 Edition 5 (used for guidance in respect of marking)

Approved for issue on behalf of the IECEx Certification Body: C Ellaby

Position: Certification Officer

Signature:
(for printed version)



Date:

2010-01-21

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:

SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom





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Manufacturer: **Rotork Controls Limited**
Brassmill Lane
Bath
Somerset BA1 3JQ
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 60079-11 : 2006 Edition: 5	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/SIR/ExTR10.0005/00](#)

Quality Assessment Report:

[GB/SIR/QAR07.0003/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The I.S. Setting Tool is a battery operated, hand held, self contained, control unit that is designed to adjust the settings of an actuator via an optical IrDA transmitter. The setting tool also has an optional Bluetooth® function to transfer data to or from the actuator. The Setting Tool comprises the following parts, all of which are housed within a plastic, handheld enclosure:

- Printed circuit board containing a dedicated, pre-programmed micro-controller
 - Optical IrDA transmitter
 - Bluetooth® transceiver (optional, may be populated on the main PCB or not)
- Four 'AAA' size batteries - the I.S. Setting Tool shall only be fitted with the following types of Alkaline-Manganese or Zinc-Manganese, 'AAA' size batteries, other types, including the Duracell Ultra type shall not be used:
- Duracell Procell type MN2400
 - Energizer type E92

CONDITIONS OF CERTIFICATION: NO



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EQUIPMENT(continued):

The Manufacturer shall comply with the following condition of manufacture:

1. To ensure the required minimum fuse resistance at -30°C is maintained, the manufacturer shall check that the Littelfuse type 0451.062 fuse has a minimum resistance at $+20^{\circ}\text{C}$ of $3.20\ \Omega$. Measurements may be performed at a temperature other than $+20^{\circ}\text{C}$, with a correction factor of $+0.02348\ \Omega/\text{K}$.
2. The I.S. Setting Tool shall only be fitted with the following types of Alkaline-Manganese or Zinc-Manganese, 'AAA' size batteries:
 - Duracell Procell type MN2400
 - Energizer type E92