1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 09ATEX2195** Issue: **0**

4 Equipment: **I.S. Bluetooth® Setting Tool**

5 Applicant: **Rotork Controls Limited**

6 Address: Brassmill Lane
Bath
Somerset BA1 3JQ
UK

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2006 EN 60079-11:2007 EN 60079-26:2007
IEC 60079-0:2007 Edition 5 (used for guidance in respect of marking)

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment 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. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:

II 1G
Ex ia IIC T4 Ga
(Ta: -30°C to +50°C)

Project Number 51A15000-29
C. Index 12

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Certification Officer

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE **Sira 09ATEX2195**
Issue 0

13 DESCRIPTION OF EQUIPMENT

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

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	11 January 2010	R51A15000-29A	The release of the prime certificate.

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

None

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF CERTIFICATION

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

17.3 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°C of 3.20 Ω. Measurements may be performed at a temperature other than +20°C, with a correction factor of +0.02348 Ω/K.

17.4 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

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Certificate Annexe

Certificate Number: **Sira 09ATEX2195**

Equipment: **I.S. Bluetooth® Setting Tool**

Applicant: **Rotork Controls Limited**

Issue 0

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
ED08477-02	1 to 5	-	24 Dec 09	Bluetooth/IrDA Setting Tool - PCB Schematic
49847GA	1 to 2	2	24 Dec 09	BT/IrDA Setting Tool General Assembly
50092	1 of 1	1	24 Dec 09	Battery Location Foam - BT/IrDA Setting Tool
50143	1 of 1	2	24 Dec. 09	Fuse Encapsulation - Bluetooth Setting Tool
AD1322	1 to 4	1	24 Dec. 09	Rotork Actuator Setting Tool 'Pro' ATEX I.S. Approval
49870LOP-01	1 of 1	-	24 Dec 09	IrDA Setting Tool (Mk3) – PCB BOM
49077LOP-02	1 of 1	-	24 Dec 09	Bluetooth Setting Tool – PCB BOM
49077pcba-02	1 to 2	02	24 Dec 09	Bluetooth Setting Tool – PCB BOM
49870pcba-01	1 to 2	01	24 Dec 09	IrDA Setting Tool (Mk3) – PCB BOM

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