



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: Sira 04ATEX2313

4 Equipment: Cryptag® 'Census™' Types TC1-IS, TC2-IS and TC4S-IS

5 Applicant: Identec Limited

6 Address: Unit 5 Rainton Bridge Industrial Estate
Rainton Bridge
Houghton Le Spring
Co. Durham
DH4 5PH
England

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 confidential report number R52A12093B.

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 50014:1997 (including Amendments A1 to A2)
EN 50020:2002

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:



I M1
EEx ia IIC T6 (Ta = +60°C)

Project Number 52A12093
Date 28 September 2004
Latest issue 5 April 2005
C. Index 15

C. Ellaby
Certification Officer

This certificate and its schedules may only be reproduced in its entirety and without change.





SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 04ATEX2313

Re-issued 5 April 2005 to allow report number R52A12093B to replace report number R52A12093A.

13 DESCRIPTION OF EQUIPMENT

The Census™ TC1-IS responds to a signal from an unspecified device (typically an interrogator unit) and transmits a unique electronic code back to the external device. It is designed for use by persons requiring internal and external access and clips onto clothing or may be worn as a pendant using a suitable securing method. The device is powered from a single lithium coin cell and all circuitry is encapsulated apart from two factory programming pads, which are not for user access.

The Census™ TC2-IS is similar to the Census™ TC1-IS but the intended use is for article surveillance and asset protection. It is designed to be fitted to another device as a security measure.

The Census™ TC4S-IS is similar to the Census™ TC1-IS but is made in the form of a keyfob.

14 DESCRIPTIVE DOCUMENTS

14.1 General Drawings

Drawing No.	Issue	Rev.	Sheet	Date	Title
85-0056	03	-	1 of 1	21 Oct 02	Encapsulation

14.2 Census™ TC1-IS drawings

Drawing No.	Issue	Rev.	Sheet	Date	Title
85-0057	03	-	1 of 1	23 Oct 02	Front & section view
85-2095	1	B	1 of 1	21 Oct 02	Schematic
91-9126	03	-	1 of 1	28 Sep 04	Label marking

14.3 Census™ TC2-IS drawings

Drawing No.	Issue	Rev.	Sheet	Date	Title
85-0058	-	03	1 of 1	23 Oct 02	Front & cross sectional view
85-2096	1	B	1 of 1	21 Oct 02	Schematic
91-9151	-	03	1 of 1	07 Oct 04	Marking

14.4 Census™ TC4S-IS drawings

Drawing No.	Issue	Rev.	Sheet	Date	Title
85-0065	03	-	1 of 2	23 Oct 02	Cross sectional & front view
85-2097	1	B	1 of 1	21 Oct 02	Schematic
91-9150	03	-	1 of 1	07 Oct 04	Marking

14.5 Report number R52A12093B

Date 28 September 2004
Latest issue 5 April 2005

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Sira Certification Service

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Web: www.siracertification.com



SCHEDULE

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Sira 04ATEX2313

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 report number R52A12093B.

17 **CONDITIONS OF CERTIFICATION**

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

Date 28 September 2004
Latest issue 5 April 2005

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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 13.0077X issue No.:0 Certificate history:

Status: Current

Date of Issue: 2013-07-09 Page 1 of 3

Applicant: **Davis Derby Limited**
Chequers Lane
Derby DE21 6AW
United Kingdom

Electrical Apparatus: TC1-IS (Type 26872) TC2-IS (Type 26873) TC4S-IS (Type 26874)
Optional accessory:


Type of Protection: **Intrinsically Safe**

Marking: Ex ia IIC T6
(-20°C < Ta < +60°C)

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

Position: Deputy Certification Manager

Signature:
(for printed version)



2013-07-09

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](http://www.iecex.com).

Certificate issued by:
SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom



sira
CERTIFICATION



IECEX Certificate of Conformity

Certificate No.: IECEX SIR 13.0077X

Date of Issue: 2013-07-09

Issue No.: 0

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Manufacturer: **Davis Derby Limited**
Chequers Lane
Derby DE21 6AW
United Kingdom

Additional 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition: 6.0

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/ExTR13.0201/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0077/04](#)



IECEx Certificate of Conformity

Certificate No.: IECEx SIR 13.0077X

Date of Issue: 2013-07-09

Issue No.: 0

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The TC1-IS (Type26872) responds to a signal from an unspecified device (typically an interrogator unit) and transmits a unique electronic code back to the external device. It is designed for use by persons requiring internal and external access and clips onto clothing or may be worn as a pendant using a suitable securing method. The device is powered from a single lithium coin cell and all circuitry is encapsulated apart from two factory programming pads, which are not for user access.

The TC2-IS (Type26873) is similar to the TC1-IS (Type26872) but the intended use is for article surveillance and asset protection. It is designed to be fitted to another device as a security measure.

The TC4S-IS (Type26874) is similar to the TC1-IS (Type26872) but is made in the form of a key fob.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The use of this equipment for EPL Gb applications does not normally require precautions against electrostatic discharge, therefore, activities such as placing the item in a pocket, on a belt, operating a keypad or cleaning with a damp cloth, do not present a significant electrostatic risk; however, where a static-generating mechanism is identified, such as repeated brushing against static inducing clothing, then suitable precautions shall be taken, e.g. the use of anti-static footwear.