



1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 15ATEX2195X** Issue: **6**

4 Equipment: **Loadcell RLP - ATEX**

5 Applicant: **Straightpoint (UK) Ltd**

6 Address: **123 Proxima Park
Houghton Avenue
Waterlooville
PO7 3DU
UK**

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

8 CSA Group Netherlands B.V., notified body number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 IEC 60079-0:2018 EN 60079-11:2012

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This EU-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 = -10°C to +50°C

Signed: Michelle Halliwell

Title: Director of Operations



Project Number 80150808

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SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

**Sira 15ATEX2195X
Issue 6**

13 DESCRIPTION OF EQUIPMENT

The Loadcell RLP – ATEX is a radio telemetry system designed to provide measurement data from voltage, current and strain gauge inputs. The loadcell is powered from four, Energizer Ultimate Lithium Cells. The equipment comprises of a radio module PCB and an additional PCB consisting of the safety critical components which are fully encapsulated. It also contains the antenna PCB which is partially encapsulated. The enclosure is made of aluminium alloy with a front cover made of polycarbonate and the battery cover at the rear side is made of polyester. All the exposed non-metallic parts are coated with anti-electrostatic material. There are no external connectors in this equipment.

Variation 1 - This variation introduced the following changes:

- i. New radio board introduced which has changed some drawings as a result.
- ii. The drawings which represent the old design have been reproduced in new drawings.
- iii. Changes in the marking label to show the new Crosby Straightpoint logo
- iv. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 60079-0:2012/A11:2013 was replaced by EN IEC 60079-0:2018.

Variation 2 - This variation introduced the following changes:

- i. Typographical errors corrected on the drawings.
- ii. ATEX certificate number of the L91 batteries removed from the drawings.
- iii. Revised not hazardous area marking.
- iv. Remove the listing of IEC 60079-26.

Variation 3 - This variation introduced the following change:

- i. Assessment of the uncertified version of the ENERGIZER L91

Variation 4 - This variation introduced the following changes:

- i. To update the label drawing SU3476 to reflect the UKCA marking.
- ii. To update the company name and address on the certificate:

| | |
|---|--|
| From: Straightpoint Unit 9, Dakota Park Downley Road Havant, PO9 2NJ UK | To: Straightpoint (UK) Ltd 123 Proxima Park Houghton Avenue Waterlooville PO7 3DU UK |
|---|--|

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

| Issue | Date | Report number | Comment |
|-------|------------------|---------------|---------------------------------------|
| 0 | 22 December 2015 | R70043491A | The release of the prime certificate. |

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SCHEDULE

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Sira 15ATEX2195X
Issue 6

| Issue | Date | Report number | Comment |
|-------|------------------|---------------|---|
| 1 | 28 April 2016 | R70061934A | This Issue covers the following changes: EU Type Examination Certificate in accordance with 94/9/EC updated in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, EU Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EU Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i> |
| 2 | 15 October 2019 | 1348 | Transfer of certificate Sira 15ATEX2195X from Sira Certification Service to CSA Group Netherlands B.V. |
| 3 | 20 April 2020 | R80030551A | The introduction of Variation 1. |
| 4 | 09 December 2020 | R80060438A | The introduction of Variation 2. |
| 5 | 07 October 2022 | R80115671A | The introduction of Variation 3. |
| 6 | 24 January 2023 | R80150808A | The introduction of Variation 4. |

15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

- 15.1 The enclosure is manufactured from aluminium. In rare cases, ignition sources due to impact and friction sparks could occur. This shall be considered during installation, particularly if the equipment is installed in a zone 0 location.
- 15.2 The anti-electrostatic coating on the labels can be adversely affected by contact with solvents. Suitable precaution shall be taken to avoid such instances and the labels shall be inspected periodically for any damage.
- 15.3 Only Energizer Ultimate Lithium Cells Type L91 AA, certificate number Baseefa14ATEX0107U shall be fitted.

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 MANUFACTURE

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of CSA Group Netherlands B.V. certificates.
- 17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.
- 17.3 Only Energizer Ultimate Lithium Cells Type L91 AA, certificate number Baseefa14ATEX0107U shall be fitted.
- 17.4 It is the responsibility of the manufacturer to continually monitor the status of the certification associated with this device. The manufacturer shall inform CSA Sira of any modifications to the device that may impinge upon the explosion safety design of the equipment.

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Certificate Annexe



Certificate Number: Sira 15ATEX2195X
 Equipment: Loadcell RLP - ATEX
 Applicant: Straightpoint (UK) Ltd

Issue 0

| Drawing no. | Sheets | Rev. | Date (Sira stamp) | Description |
|----------------------------|--------|------|-------------------|----------------------------------|
| AT001 | 1 of 1 | D | 24-Sep-15 | GA drawing for RLP |
| AT002 | 1 of 1 | B | 24-Sep-15 | Encapsulation drawing |
| SU3484 Schematic | 1 of 1 | 1.2 | 24-Sep-15 | Battery Protection PCB Schematic |
| SU3484 | 1 of 1 | B | 24-Sep-15 | Battery Protection PCB layout |
| SU3484 BOM | 1 of 1 | 1.1 | 24-Sep-15 | Battery Protection PCB BOM |
| SA900 Logical Schematic | 1 of 1 | 1.3 | 24-Sep-15 | Logical schematic |
| SA900 Electronic Schematic | 1 of 1 | 1.3 | 24-Sep-15 | Electronic schematic |
| SD4119 | 1 of 1 | 0 | 24-Sep-15 | Battery Box |
| SU3476 | 1 of 1 | C | 24-Sep-15 | RLP Battery cover disc label |
| SU3477 | 1 of 1 | A | 24-Sep-15 | RLP Front Cover plate |
| SU3488 | 1 of 1 | A | 24-Sep-15 | Calibration Label |
| SU3486 | 1 of 1 | A | 24-Sep-15 | Battery orientation label |
| SU3489 | 1 of 1 | A | 24-Sep-15 | Front Cover plate 2 |
| SU3497 | 1 of 1 | A | 24-Sep-15 | Loadcell Negative PCB layout |
| SU3497 Schematic | 1 of 1 | 1.2 | 24-Sep-15 | Loadcell Negative PCB Schematic |
| SU3498 | 1 of 1 | A | 24-Sep-15 | Loadcell Positive PCB layout |
| SU3498 Schematic | 1 of 1 | 1.2 | 24-Sep-15 | Loadcell Positive PCB Schematic |
| SU3507 | 1 of 1 | A | 24-Sep-15 | Battery Housing Assembly |

Issues 1 and 2 No new drawings were introduced.

Issue 3

| Drawing no. | Sheets | Rev. | Date (Sira stamp) | Description |
|-------------|--------|------|-------------------|--|
| AT001 | 1 of 1 | E | 09 Mar 20 | GA drawing for RLP (TS radio board) |
| AT002 | 1 of 1 | E | 09 Mar 20 | Encapsulation drawing (TS radio board) |
| SU3476 | 1 of 1 | D | 09 Mar 20 | RLP Battery cover disc label |
| SU3507 | 1 of 1 | C | 09 Mar 20 | Battery Housing Assembly (TS radio board) |
| SU3477 | 1 of 1 | C | 09 Mar 20 | RLP Front Cover plate |
| SU3488 | 1 of 1 | B | 09 Mar 20 | Calibration Label |
| AT011 (*) | 1 of 1 | A | 30 Mar 20 | GA drawing for RLP (T24 radio board) |
| AT012 (*) | 1 of 1 | A | 30 Mar 20 | Encapsulation drawing (T24 radio board) |
| AT017 | 1 of 1 | A | 30 Mar 20 | Battery Housing Assembly (T24 radio board) |

note) * - new drawings

The drawings listed below are no longer necessary.

| Drawing no. | Sheets | Rev. | Date (Sira stamp) | Reason |
|-------------|--------|------|-------------------|---------------------------------|
| SU3489 | 1 of 1 | A | 24-Sep-2015 | Replaced by SU3477 now. |
| SD4119 | 1 of 1 | 0 | 24-Sep-2015 | All dimensions moved to SU3507. |

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Certificate Annexe



Certificate Number: Sira 15ATEX2195X
Equipment: Loadcell RLP - ATEX
Applicant: Straightpoint (UK) Ltd

Issue 4

| Drawing no. | Sheets | Rev. | Date (Sira stamp) | Description |
|-------------|--------|------|-------------------|--------------------------------------|
| AT001 | 1 of 1 | G | 24-Nov-20 | GA drawing for RLP (TS radio board) |
| AT011 | 1 of 1 | B | 24-Nov-20 | GA drawing for RLP (T24 radio board) |
| SU3477 | 1 of 1 | D | 24-Nov-20 | RLP Front Cover plate |

Issue 5

| Drawing | Sheets | Rev. | Date (Stamp) | Title |
|---------|--------|------|--------------|-----------------------------------|
| SU3476 | 1of1 | F | 24-Aug-22 | RLP-ATEX battery cover disc label |

Issue 6

| Drawing | Sheets | Rev. | Date (Stamp) | Title |
|---------|--------|------|--------------|-----------------------------------|
| SU3476 | 1of1 | G | 06 Jan 23 | RLP-ATEX battery cover disc label |

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