



EU-TYPE EXAMINATION CERTIFICATE

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

Certificate Number: **Sira 16ATEX2232** Issue: **0**

Equipment: **"Loner Beacon" indoor location beacon, Model 102140**

Applicant: **Blackline Safety**

Address: Suite 101, 1215 – 13 St SE
Calgary, Alberta
T2G 3J4
Canada

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

Sira Certification Service, notified body number 0518 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.

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 60079-0:2012/A11:2013 EN 60079-11:2012

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

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.

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.

The marking of the equipment shall include the following:



II 1G

Ex ia IIC T4 Ga

Ta = -40°C to +55°C

Project Number 70062761

C Ellaby
Deputy Certification Manager

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

Sira Certification Service
Unit 6, Hawarden Industrial Park,
Hawarden, CH5 3US, United Kingdom



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 16ATEX2232
Issue 0

13 DESCRIPTION OF EQUIPMENT

The Loner Beacon, model 102140 is a precise indoor location beacon. It is compatible with Blackline's Loner safety monitoring devices. The Loner Beacon delivers a fixed location position to locate employees indoors or wherever GPS signals are unreliable or unavailable.

The Loner Beacon, model 102140 is a portable, battery operated device fabricated from plastic and is approximately 160 mm x 40 mm x 30 mm. There is one printed circuit board within the product. The product is powered from two, alkaline C-Cells in series, these may be any of the following types, however, the cells shall not be replaced when an explosive atmosphere is present and it is the user's responsibility to ensure that both cells are the same type, new and unused.

Energizer Industrial EN93
Duracell Procell PC1400
Rayovac UltraPro 814

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	24 August 2016	R70062761A	The release of the prime certificate.

15 SPECIFIC CONDITIONS OF 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 MANUFACTURE

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

Certificate Annexe



Certificate Number: Sira 16ATEX2232
Equipment: "Loner Beacon", Model 102140
Applicant: Blackline Safety

Issue 0

Drawing no.	Sheets	Rev.*	Date (Sira stamp)	Description
01103-25091	1 to 2	R01 A	22 Jul 16	Wall Bracket
01103-25092	1 to 2	R01 A	22 Jul 16	Frontshell
01103-25093	1 to 2	R01 A	22 Jul 16	Backshell
01103-A1140	1 to 2	R02 B	22 Jul 16	Assembly
01103-A1977	1 of 1	R01 A	22 Jul 16	PCB Potting
SCH_102132	1 to 3	03	22 Jul 16	Schematic
BOM_102132	1 to 2	03	22 Jul 16	Bill of Materials
BACON-EHW	1 to 4	00	22 Jul 16	PCB Specs
PCB_101238	1 to 20	00	22 Jul 16	PCB Artwork
102128_R4	1 of 1	-	10 Aug 16	Quick Start Guide
Beacon_label_ATEX_artwork_r2.al	1 of 1	2	22 Jul 16	Label Drawing

* Some of the listed revisions comprise of two parts, PRT. REV. (e.g. R01) and DWG. REV. (A).

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