



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 10ATEX2137** Issue: **3**

4 Equipment: **IS-pA1 Panel Mount Sounder**

5 Applicant: **European Safety Systems Limited**

6 Address: **Impress House
Mansell Road
Acton
London
W3 7QH, 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 IEC 60079-26:2014 Ed 3.0

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 IIB T4/5/6 Ga

Ta = -40°C <= Ta <= +60°C

Note : The temperature class depends on Pi, see Description of Equipment

Project Number 80019156

Signed: J A May

Title: Director of Operations

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CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands



SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 10ATEX2137
Issue 3

13 DESCRIPTION OF EQUIPMENT

The equipment is an audio sounder that is intended to be panel mounted. It consists of a plastic enclosure containing a part encapsulated printed circuit board assembly and a sounder device. The back wall of the equipment enclosure is formed from the free surface of the encapsulation. External connections are made via spade terminals that emerge from the encapsulation. The equipment enclosure/encapsulation provides IP 20 ingress protection to the internal circuits.

The equipment has the following intrinsic safety parameters:

$U_i = 40V$
 $I_i = 660mA$
 $P_i = 300mW$ for Temperature Class T6
 $P_i = 600mW$ for Temperature Class T5
 $P_i = 1.3W$ for Temperature Class T4
 $C_i = 32.5nF$
 $L_i = 0$

Variation 1 - This variation introduced the following changes:

- i. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, the documents previously listed, EN 60079-0:2006, EN 60079-11:2007 and EN 60079-26:2007 were replaced by EN 60079-0:2012, EN 60079-11:2012 and IEC 60079-26:2014 Ed 3.0.
- ii. The marking was amended to include the note regarding Temperature Class.

Variation 2 - This variation introduced the following changes:

- i. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 60079-0:2012 was replaced by EN IEC 60079-0:2018.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	16 June 10	R20909A/00	The release of prime certificate.
1	23 February 2015	R70006449D	The introduction of Variation 1.



SCHEDULE

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Sira 10ATEX2137
Issue 3

Issue	Date	Report number	Comment
2	15 October 2019	1701	<ul style="list-style-type: none">• Transfer of certificate Sira 10ATEX2137 from Sira Certification Service to CSA Group Netherlands B.V..• EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, EC 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 EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i>
3	20 November 2019	R80019156A	The introduction of Variation 2.

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.

Certificate Annexe



Certificate Number: Sira 10ATEX2137
Equipment: IS-pA1 Panel Mount Sounder
Applicant: European Safety Systems Limited

Issue 0

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
D160-00-001-SC	1 of 1	A	10 Jun 10	IS-pA1 Panel Mount Sounder Basic Assembly Drawing
D160-20-001-SC	1 of 1	A	10 Jun 10	IS-pA1 Panel Mount Sounder PCB Layout Drawing
D160-28-001-CD-SC	1 of 1	A	08 Jun 10	IS-pA1 Panel Mount Sounder Block Diagram
D160-99-001-SC	1 of 1	A	08 Jun 10	IS-pA1 Panel Mount Sounder Label Drawing

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
D160-99-001-SC	1 of 1	B	28-Nov-14	IS-pA1 Panel Mount Sounder Label Drawing

Issues 2 and 3. No new drawings were introduced.

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