



UNITED KINGDOM CONFORMITY ASSESSMENT

1 **UKCA UK TYPE EXAMINATION CERTIFICATE**

2 Equipment Intended for use in Potentially Explosive Atmospheres  
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 Certificate Number: **CSAE 21UKEX2557** Issue: **0**

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

5 Manufacturer: **European Safety System Limited**

6 Address: **Impress House  
Mansell Road  
Acton  
London W3 7QH  
UK**

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

8 CSA Group Testing UK Limited, Approved Body number 0518, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations. 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 has been assured by compliance with:

EN IEC 60079-0:2018 EN 60079-11:2012

Except in respect of those requirements listed at Section 16 of the schedule to this certificate. The above standards may not appear on the UKAS Scope of Accreditation, but have been added through flexible scope of accreditation, which is available on request.

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

11 This UK TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of this product shall be in accordance with Regulation 41 and include the following:



II 1G  
Ex ia IIB T4/5/6 Ga  
Note : The temperature class depends on Pi,  
see Description of Equipment  
Ta = -40°C ≤ Ta ≤ +60°C

Name: Michelle Halliwell  
Title: Director of Operations



**SCHEDULE**

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**13 DESCRIPTION OF PRODUCT**

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<sub>i</sub> = 40V
- I<sub>i</sub> = 660mA
- P<sub>i</sub> = 300mW for Temperature Class T6
- P<sub>i</sub> = 600mW for Temperature Class T5
- P<sub>i</sub> = 1.3W for Temperature Class T4
- C<sub>i</sub> = 32.5nF
- L<sub>i</sub> = 0

Incorporated amendments

The product description includes the following applicable amendments from the previous supporting assessments. The amendments are numbered to include a reference to the variation at which these were introduced.

**Amendment 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.

**Amendment 2** - This variation introduced the following changes:

Following appropriate assessment to demonstrate compliance with the latest technical knowledge,

- i. 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 Reports and Certificate History**

Issue	Date	Report number	Comment
0	27 June 2022	R80072291F	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 (REGULATIONS SCHEDULE 1)**

In addition to the Essential Health and Safety Requirements covered by the standards listed in Section 9, all other requirements are demonstrated in the relevant reports.



## SCHEDULE

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#### 17 PRODUCTION CONTROL

- 17.1 Holders of this certificate are required to comply with production control requirements defined in Schedule 3A, as applicable, and CSA Group Testing UK Regulations for Certificate Holders



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## Certificate Annexe

Certificate Number: CSAE 21UKEX2557  
Product: IS-pA1 Panel Mount Sounder  
Manufacturer: European Safety System Limited

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### Issue 0

Drawing	Sheets	Rev.	Date (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	8 Jun 10	IS-pA1 Panel Mount Sounder Block Diagram
D160-99-001-SC-UK	1 of 1	A	05 May 22	IS-pA1 Panel Mount Sounder Label Drawing-UKEx



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