



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 21UKEX2551X** Issue: **0**

4 Product: **IS-A105N and IS-D105 Sounders**

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 1 G
Ex ia IIC T4 Ga
-40°C ≤ Ta ≤ +60°C

Name: Michelle Halliwell
Title: Director of Operations



**UKUK
CANI**

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Certificate No. CSAE 21UKEX2551X

DQD544.21 Issue 3 (2022-04-14)

Page 1 of 3

SCHEDULE

UK TYPE EXAMINATION CERTIFICATE

CSAE 21UKEX2551X
Issue 0

13 DESCRIPTION OF PRODUCT

The IS-A105N Sounder is designed to provide an audible warning when activated. It consists of a printed circuit board assembly and an inductive sounder transducer; these are mounted in an IP 66, flame retardant, ABS enclosure. External connections are made to terminals mounted on the printed circuit board via a cable entry device mounted in the wall of the enclosure.

Terminals + w.r.t. Terminals

Ui = 28	li = 93	Pi =	Ci = 0	Li = 0
V	mA	660		
		mW		

The equipment shall only be supplied from a barrier having a resistively limited current output.

Terminals S2 and S3 w.r.t. Terminal

Ui	li
=	=
28	0
V	

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.

1. **Amendment 1** - Issued to introduce the changes described in report number R52V12839A.
2. **Amendment 2** - Issued to introduce the changes described in report number R52A14305A.
3. **Amendment 3** - Issued to introduce the changes described in report number R52A15304A
4. **Amendment 4** - This Issue covers the following changes:
 - All previously issued certification was rationalized into a single certificate, Issue 4, Issues 0 to 3 referenced above are only intended to reflect the history of the previous certification and have not been issued as documents in this format.
 - The introduction of Variation 1.
5. **Amendment 5** The introduction of Variation 2.
6. **Amendment 6** The introduction of Variation 3.
7. **Amendment 7** The introduction of Variation 4.
8. **Amendment 8** This Issue covers the following changes:
 - EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. (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.)
 - The introduction of Variation 5.
9. **Amendment 9** The introduction of Variation 6.
10. **Amendment 10** Transfer of certificate Sira 04ATEX2301X from Sira Certification Service to CSA Group Netherlands B.V.

SCHEDULE

UK TYPE EXAMINATION CERTIFICATE

**CSAE 21UKEX2551X
Issue 0**

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	R80072291A	The release of the prime certificate.

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

- 15.1 The equipment shall only be supplied via Terminals + w.r.t. Terminals – from a barrier having a maximum open circuit voltage U_0 that is ≤ 28 V and a maximum short circuit current I_0 that is ≤ 93 mA, where I_0 is resistively limited. The barrier shall be ATEX certified by a notified body.
- 15.2 The total capacitance connected to terminals + wrt – (i.e. the capacitance of the cable plus any other capacitance) shall not exceed 83 nF.
- 15.3 The enclosure of the IS-A105N Sounder is non-conducting and may generate an ignition-capable level of electrostatic charges under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions that might cause a build-up of electrostatic charges on non-conducting surfaces, additionally, cleaning of the equipment should be done only with a damp cloth.
- 15.4 The equipment has an ingress protection rating of IP66; however, if it has been supplied without a cable entry device, then the user shall ensure that the device that is fitted will provide an ingress protection that is appropriate to the environment in which it is installed i.e. IP20 or better.
- 15.5 The enclosure of the IS-D105 Sounder is manufactured from cast 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 an area requiring Equipment Protection Level Ga.

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.

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



Certificate Annexe

Certificate Number: CSAE 21UKEX2551X
Product: IS-A105N and IS-D105 Sounders
Manufacturer: European Safety System Limited

Issue 0

Drawing	Sheets	Rev.	Date (Stamp)	Title
D4521	1 of 1	A	08 May 19	IS- A105N Sounder Basic Assembly
D187-00-001-SC	1 of 1	A	08 May 13	IS-D105 Sounder GA
CD 4521	1 of 1	A	02 Nov 04	Circuit Diagram
PL 4521	1 of 1	A	02 Nov 04	Parts List
D 4524	1 of 1	A	25 Oct 04	Printed Circuit Board
D 4525	1 of 1	A	01 Nov 04	Sounder Transducer
D187-99-001-SC-UK	1 of 1	A	27 Apr 22	IS-D105 Sounder Product Label, UKex scheduled drawing
D4523-SC-UK	1 of 1	A	27 Apr 22	IS-A105N Sounder label



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