



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 21UKEX1558X** Issue: **0**

4 Product: **GNEEx Series Sounder/Loudspeaker**

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 60079-1:2014

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 2G
Ex db II* T* Gb
* Refer to the schedule

Name: Michelle Halliwell
Title: Director of Operations



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SCHEDULE

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13 DESCRIPTION OF PRODUCT

The GNEEx Series Sounder/Loudspeaker consists of a GRP, flameproof enclosure which contains a pressure unit that generates sound, control circuitry and terminals for connection to external circuits. The enclosure has a pressed metal wire element which is cemented into the enclosure for the transmission of sound from the enclosure. The enclosure has a threaded lid for access and cable entry is via up to two, M20 x 1.5 threaded entries. Internal earthing facilities are provided, additionally external earthing facilities may be provided.

The equipment has the following gas groups, temperature classes and ambient temperature ranges:

Type (Description)	Option (Rating)	Gas group	Temp. class	Ambient temp.
GNEExS1***** (110 dB Small Sounder)	GNEExS1DC024 (10 – 30 V dc) GNEExS1DC048 (48 V dc) GNEExS1AC230 (100 – 260 V ac/dc)	IIC	T4	-XX°C to +50°C
		IIC	T3	-XX°C to +70°C
		IIB	T6	-XX°C to +50°C
		IIB	T5	-XX°C to +65°C
		IIB	T4	-XX°C to +70°C
GNEExS2***** (117 dB Small Sounder)	GNEExS2DC024 (10 – 30 V dc) GNEExS2DC048 (48 V dc) GNEExS2AC230 (100 – 260 V ac)	IIC	T4	-XX°C to +50°C
		IIC	T3	-XX°C to +58°C
		IIB	T6	-XX°C to +50°C
		IIB	T5	-XX°C to +58°C
GNEExL1**** (15W Loudspeaker)	GNEExL1V100 (100/70 V Line) GNEExL1R016 (16 Ohm) GNEExL1R008 (8 Ohm)	IIC	T4	-XX°C to +50°C
		IIC	T3	-XX°C to +70°C
		IIB	T6	-XX°C to +50°C
		IIB	T5	-XX°C to +65°C
		IIB	T4	-XX°C to +70°C
GNEExL2**** (25W Loudspeaker)	GNEExL2V100 (100/70 V Line) GNEExL2R016 (16 Ohm) GNEExL2R008 (8 Ohm)	IIC	T4	-XX°C to +50°C
		IIC	T3	-XX°C to +65°C
		IIB	T6	-XX°C to +50°C
		IIB	T5	-XX°C to +65°C

The equipment may be marked for a low ambient of either -20°C, -50°C or -60°C dependent upon the routine pressure test applied.

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, EN 60079-0:2012 was replaced by EN IEC 60079-0:2018 and EN 60079-1:2007 was replaced by EN 60079-1 :2014 A/C:2018.
- ii. Re-introduction of the Conditions of Manufacture which were deleted from the previous Certificate issue.

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Amendment 2 - This variation introduced the following change:
Transfer of certificate 13ATEX1139X the Notified Body Sira Certification Services to the Notified Body CSA Group Netherlands B.V.

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	R80072291G	The release of the prime certificate.

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

15.1 The enclosure is non-conducting and, under certain extreme conditions, may generate an ignition-capable level of electrostatic charges. The user shall ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which 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.

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 21UKEX1558X
Product: GNEEx Series Sounder/Loudspeaker
Manufacturer: European Safety System Limited

Issue 0

Drawing	Sheets	Rev.	Date (Stamp)	Title
D2428	1 of 1	A	19 Jul 13	Pressed Metal Wire Element
D157-99-001-SC-UK	1 of 1	1	05 May 22	GNEExS2 and GNEExS1 Ex 'd' SOUNDER PRODUCT LABEL – UKEx
D157-00-001-IS-SC-UK	1 to 3	1	05 May 22	GNEEx Sounder/Loudspeaker Instructions Declarations



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