IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx SIR 10.0073 issue No.:1	Certificate history: Issue No. 1 (2015-2-23) Issue No. 0 (2010-6-24)
Status:	**Current**	
Date of Issue:	**2015-02-23**	Page 1 of 4

Applicant:
European Safety Systems Limited
Impress House
Mansell Road
Acton
London
W3 7QH
United Kingdom

Electrical Apparatus: **IS-pA1 Panel Mount Sounder**
Optional accessory:

Type of Protection: **Intrinsic Safety**

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

Approved for issue on behalf of the IECEx Certification Body: C Ellaby

Position: Deputy Certification Manager

Signature:
(for printed version)

Date: 2015-02-23

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:
SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom

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Manufacturer: **European Safety Systems Limited**
Impress House
Mansell Road
Acton
London
W3 7QH
United Kingdom

Additional Manufacturing location (s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:
The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2014-10 Edition: 3.0	Explosive atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:
GB/SIR/ExTR10.0148/00 GB/SIR/ExTR15.0025/00

Quality Assessment Report:

GB/SIR/QAR06.0020/02

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

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

CONDITIONS OF CERTIFICATION: NO

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 – this Issue introduced the following changes:	
1.	Following appropriate assessment to demonstrate compliance with the latest technical knowledge, the documents previously listed, IEC 60079-0:2004 Ed 4.0, IEC 60079-11:2006 Ed 5.0 and IEC 60079-26:2006 were replaced by IEC 60079-0:2011 Ed 6, IEC 60079-11:2011 Ed 6 and IEC 60079-26:2014 Ed 3.
2.	The marking was amended to include the note regarding Temperature Class.