



# 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](http://www.iecex.com)

Certificate No.: IECEx SIR 06.0045X issue No.:1  
Status: **Current**  
Date of Issue: **2009-11-26** Page 1 of 4

Certificate history:  
Issue No. 1 (2009-11-26)  
Issue No. 0 (2006-11-8)

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

Electrical Apparatus: **IS-mA1 Sounder, IS-mA2 Sounder, IS-mA3 Sounder, IS-mB1 Beacon & IS-mC1 Combined Sounder/Beacon**  
*Optional accessory:*

Type of Protection: **Intrinsically Safe**

Marking: **Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +60°C)**  
**Note: IEC 60079-0:2007 Edition 5 was used for guidance in respect of marking.**

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

*Position:* Certification Officer

*Signature:*  
*(for printed version)*

*Date:*

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](http://www.iecex.com).

Certificate issued by:

**SIRA Certification Service**  
**Rake Lane**  
**Eccleston**  
**Chester**  
**CH4 9JN**  
**United Kingdom**

**sira**  
CERTIFICATION



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

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:

<b>IEC 60079-0 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-11 : 2006</b> Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-26 : 2006</b> Edition: 2	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/ExTR06.0103/00](#)  
[GB/SIR/ExTR09.0189/00](#)

Quality Assessment Report:

[GB/SIR/QAR06.0020/00](#)  
[GB/SIR/QAR06.0020/01](#)



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## Schedule

### EQUIPMENT:

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

The **IS-mA1 Sounder** is designed to provide an audible warning when activated.

The **IS-mA2 Sounder** is similar to the IS-mA1 Sounder, the differences being a different printed circuit board layout and a 'low profile' enclosure base.

The **IS-mA3 Sounder** is similar to the IS-mA1 Sounder, the differences being the addition of several components to the circuit, a different connection arrangement, a different printed circuit board layout and a 'low profile' enclosure base.

The **IS-mB1 Beacon** is designed to provide a flashing warning when activated.

The **IS-mC1 Combined Sounder/Beacon** is designed to provide an audible and a flashing warning when activated.

For a fuller description and associated safety parameters, see the Annexe of this certificate.

### CONDITIONS OF CERTIFICATION: YES as shown below:

For Conditions of Certification, see the Annexe of this certificate.



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

<b>Issue 1</b> – this Issue introduced the following changes:	
1	Following appropriate re-assessment to demonstrate compliance with the requirements of the latest standards, the documents originally listed in section 9, IEC 60079-0:2000 Edition 3.1 and IEC 60079-11:1999 Edition 4, were replaced by those currently listed, the markings were updated accordingly.