

## IECEx Certificate of Conformity

	ertification Sche	CTROTECHNICAL eme for Explosive the IECEx Scheme visit www.i	Atmospheres
Certificate No.:	IECEx SIR 04.0039X	issue No.:1	Certificate history:
Status:	Current		Issue No. 1 (2009-11- 26) Issue No. 0 (2006-4-24)
Date of Issue:	2009-11-26	Page 1 of 4	
Applicant:	European Safety Syst Impress House Mansell Road Acton London W3 7QH United Kingdom	tems Ltd	
Electrical Apparatus: Optional accessory:	IS - L101L Beacon		
Type of Protection:	Intrinsic safety		
Marking:	Ex ia IIC T4 Ga (-40°C ≤ Note: IEC 60079-0:2007	Ta ≤ +60°C) Edition 5 was used for guida	ance in respect of marking.
Approved for issue on be Certification Body:	ehalf of the IECEx	C Ellaby	
Position:		Certification Officer	0
Signature: (for printed version)		C. £	Day
Date:	8	2009-11-2	6
2. This certificate is not t	hedule may only be reprod ransferable and remains th tlicity of this certificate may	uced in full. e property of the issuing body. y be verified by visiting the Offic	tial IECEx Website.
Certificate issued by: SIR	A Certification Service		
	Rake Lane Eccleston Chester CH4 9JN United Kingdom		SITA
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Manufacturer:	European Safety Sys Impress House Mansell Road Acton London W3 7QH United Kingdom	tems Ltd			
Manufacturing location	(s):	8			
found to comply with th covered by this certification	e IEC Standard list below and that the ate, was assessed and found to comp bject to the conditions as set out in IE	esentative of production, was assessed and tested and e manufacturer's quality system, relating to the Ex products ly with the IECEx Quality system requirements. This iCEx Scheme Rules, IECEx 02 and Operational			
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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2006 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/ExTR06.0038/00 GB/SIR/ExTR09.0189/00

Quality Assessment Report: GB/SIR/QAR06.0020/00 GB/SIR/QAR06.0020/01

**IECEx Certificate** of Conformity IECEx SIR 04.0039X Certificate No :: Date of Issue: 2009-11-26 Issue No.: 1 Page 3 of 4 Schedule EQUIPMENT: Equipment and systems covered by this certificate are as follows: The IS-L101L Beacon is designed to provide a flashing warning when activated. It consists of two printed circuit board assemblies, one containing the main circuit and the other several LEDs, both mounted in an IP 66, flame retardant, ABS enclosure that is fitted with a transparent polycarbonate 'lens'. One of two alternative LED boards may be fitted, each having different types of LED mounted. External connections are made to terminals mounted on the main printed circuit board via cable entry devices mounted in the walls of the enclosure. The equipment has the following parameters: Terminal "+" w.r.t. Terminal "- " Terminal "S+" w.r.t. Terminal "S-" Ui = 28 V Uo = 16.8 V li = 660 mA lo = 660 mA Po = 1.2 W Pi = 1.2 W Ci = 0Li = 0The parameters above are based on Terminal + being considered internally electrically connected to Terminal S+ via internal voltage clamping zener diodes of maximum voltage 16.8 V and Terminal - being considered internally electrically connected to Terminal S-. Terminals "Ac.Sw" Uo = 16.8 V lo = 3.61 mA Po = 15.2 mW CONDITIONS OF CERTIFICATION: YES as shown below: The equipment has an ingress protection rating of IP66; however, if it has been supplied without cable 1. entry devices, then the user shall ensure that the devices that are fitted will provide an ingress protection that is appropriate to the environment in which it is installed i.e. IP20 or better. If only one of the two cable entries are used, then the unused entry shall be fitted with a blanking device that ensures ingress protection appropriate to the environment in which it is installed i.e. IP20 or better. 2. The enclosure is non-conducting and may generate an ignition-capable level of electrosatic 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 nonconducting surfaces, additionally, cleaning of the equipment should be done only with a damp cloth.

Certificate	sue:	IECEx SIR 04.00		Issue Page 4	
	this Issue introduced Following appropri standards, the doo 11:1999 Edition 4,	ANGES (for issues d the following chang- iate re-assessment to cuments originally liste were replaced by the con was changed to	es: demonstrate comp ed in section 9, IEC ose currently listed, t	60079-0:2000 Editi he markings were	on 3.1 and IEC 600
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Sec.					
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