




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 10.0172	issue No.:0	Certificate history:.....
Status:	Current		
Date of Issue:	2011-03-09	Page 1 of 3	
Applicant:	General Monitors Ireland Ltd Ballybrit Business Park Galway Ireland		
Electrical Apparatus: <i>Optional accessory:</i>	FL3110, FL3111 & FL3112 Flame Detectors		
Type of Protection:	Flameproof & Increased Safety		
Marking:	FL3110/FL3111 Ex de IIC T5/T4 Gb Ex tb IIIC T100°C/T135°C Db IP6X Tamb -40°C to +75°C/90°C FL3112 Ex de IIC T6/T5 Gb Ex tb IIIC T85°C/T100°C Db IP6X Tamb -40°C to +65°C/75°C		
Approved for issue on behalf of the IECEx Certification Body:	D R Stubbings BA MIET		
Position:	Certification Manager		
Signature: (for printed version)			
Date:	<u>2011-03-09</u>		

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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Certificate No.: IECEx SIR 10.0172

Date of Issue: 2011-03-09

Issue No.: 0

Page 2 of 3

Manufacturer: **General Monitors Ireland Ltd**
Ballybrit Business Park
Galway
Ireland

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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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/ExTR11.0045/00](#)

Quality Assessment Report:

[GB/SIR/QAR07.0014/02](#)
[US/UL/QAR10.0004/00](#)



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Certificate No.: IECEx SIR 10.0172

Date of Issue: 2011-03-09

Issue No.: 0

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The FL3110, FL3111 & FL3112 Flame Detectors, are ultraviolet/infra-red flame detectors that are rated at 24 V dc. They are manufactured from 316 stainless steel or aluminium bronze AB2. The enclosure is cylindrical in shape and incorporates two separate compartments: electronic and terminal. The electronic compartment cover is secured by five M4 x 10 socket-head flat countersunk screws (grade 8.8) that pass through the enclosure side-wall and the terminal compartment cover is secured by three M4 x 10 socket-head flat countersunk screws (grade 8.8) that pass through the enclosure side-wall. The electronic compartment cover may contain one or two circular synthetic sapphire windows and a light rod.

CONDITIONS OF CERTIFICATION: NO