



1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 15ATEX1260X** Issue: **2**

4 Equipment: **Optical beam smoke detector (Fireray 3000 Ex d)**

5 Applicant: **FFE Limited**

6 Address: **9 Hunting Gate  
Hitchin  
Hertfordshire SG4 0TJ  
England**

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Netherlands B.V., notified body number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

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, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN IEC 60079-0:2018 EN 60079-1:2014 EN 60079-28:2015 EN 60079-31:2014

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 2 GD  
Ex db op is IIC T6 Gb  
Ex tb IIIC T85°C Db  
Ta = -20°C to +55°C

Signed: Michelle Halliwell

Title: Director of Operations



Project Number 80122726

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## SCHEDULE

### EU-TYPE EXAMINATION CERTIFICATE

Sira 15ATEX1260X  
Issue 2

#### 13 DESCRIPTION OF EQUIPMENT

The Fireray 3000 Ex d Optical Beam Smoke Detector is used for fire detection in explosive atmospheres. It utilises a Transmitter to project a modulated infra-red beam across the protected area to a Receiver mounted opposite. The received signal strength is monitored and analysed in the Receiver, and should the signal strength fall below the pre-set threshold for more than the fire delay selected by the user, a fire alarm is signalled. A low-level control unit allows adjustment and testing from a non-hazardous location.

The Transmitter and Receiver are fitted inside an aluminium alloy or stainless steel cylindrical EMH29 enclosure with a threaded window cover. The enclosure is manufactured by JCE (Europe) Limited and is certified under TRAC 13ATEX0058U.

The equipment is supplied with the cable entry holes fitted with either transit blanking caps or suitably certified Ex db cable glands and/or blanking elements.

**Variation 1** - This variation introduced the following changes:

- i. Following appropriate assessment to demonstrate compliance with the latest technical knowledge EN 60079-0:2012/A11:2013 and EN 60079-28:2007 were replaced by EN 60079-0:2018 and EN 60079-28:2015, the markings in section 12 were updated accordingly.
- ii. As a result of the assessment, Specific Conditions of Use were introduced and therefore an 'X' suffix was added to the certificate number.

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

##### 14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	18 December 2015	R70021163A	The release of the prime certificate.
1	15 October 2019	1457	<ul style="list-style-type: none"><li>• Transfer of certificate Sira 15ATEX1260 from Sira Certification Service to CSA Group Netherlands B.V.</li><li>• EC Type-Examination Certificate in accordance with 94/9/EC updated to EU Type-Examination Certificate in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, EC Type-Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i></li></ul>
2	14 February 2024	R80122727A	The introduction of Variation 1.

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## SCHEDULE

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Sira 15ATEX1260X  
Issue 2

- 15 **SPECIFIC CONDITIONS OF USE** (denoted by X after the certificate number)
- 15.1 This equipment includes a non-metallic outer protective coating. To avoid the possibility electrostatic charges, cleaning must only be carried out with a damp or anti-static cloth.
- 16 **ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)**
- The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.
- 17 **CONDITIONS OF MANUFACTURE**
- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of CSA Group Netherlands B.V. certificates.
- 17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.
- 17.3 The equipment covered by this certificate incorporate previously certified devices as detailed below, it is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices, and the manufacturer shall inform CSA of any modifications of the devices that may impinge upon the explosion safety design of their products.

Item	Manufacturer	Certificate No	Key attributes
Enclosure type EMH 29	JCE (Europe)	TRAC 13ATEX0058U <i>Issue 0</i>	II 2, Ex d IIC Gb/Ex tb IIIC Db Rated service temp: -40°C to +60°C Limiting temperature of window cement 100°C

- 17.4 If the equipment is shipped with suitably certified Ex db cable glands and/or blanking elements the relevant certificates and user instruction shall be supplied with the package.

# Certificate Annexe



Certificate Number: Sira 15ATEX1260X  
Equipment: Optical beam smoke detector (Fireray 3000 Ex d)  
Applicant: FFE Limited

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## Issue 0

Drawing	Sheets	Rev.	Date (Stamp)	Title
3000-115	1 of 1	01	09 Dec 15	General Arrangement
0040-233	1 of 1	01	09 Dec 15	LABEL

## Issue 1

Drawing	Sheets	Rev.	Date (Stamp)	Title
0040-233	1 of 1	03	05 Feb 24	FIRERAY 3000 EXD ATEX LABEL
3000-115	1 of 1	04	05 Feb 24	GENERAL ARRANGEMENT FIRERAY 3000 EXD

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