



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEX ETL 15.0066X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2017-07-27\)](#)
[Issue 0 \(2016-05-12\)](#)
Date of Issue: 2021-07-27
Applicant: **Reuter-Stokes, LLC**
8499 Darrow Road
Twinsburg, OH 44087
United States of America
Equipment: **Flame Trackers Dry**
Optional accessory:
Type of Protection: **Increased Safety**
Marking: Ex ec IIC T1, T2, T3 Gc

COLD ENDS:
RS-FS-9009-02 - Ambient Range: -51°C to 150°C, T3
RS-FS-9009-03 - Ambient Range: -51°C to 150°C, T3
HOT ENDS:
RS-FS-9009-01 - Ambient Range: -51°C to 190°C, T3
RS-FS-9009-01 - Ambient Range: -51°C to 285°C, T2
RS-FS-9009-01 - Ambient Range: -51°C to 325°C, T1
RS-FS-9009-03 - Ambient Range: -51°C to 190°C, T3
RS-FS-9009-03 - Ambient Range: -51°C to 285°C, T2
RS-FS-9009-03 - Ambient Range: -51°C to 325°C, T1

Approved for issue on behalf of the IECEx
Certification Body:

Todd L. Relyea

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 www.iecex.com or use of this QR Code.



Certificate issued by:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America

intertek



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Manufacturer: **Reuter-Stokes, LLC**
8499 Darrow Road
Twinsburg, OH 44087
United States of America

Additional
manufacturing
locations:

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with 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 Reports:

[US/ETL/ExTR16.0006/00](#)

[US/ETL/ExTR16.0006/01](#)

[US/ETL/ExTR16.0006/02](#)

Quality Assessment Report:

[GB/ITS/QAR10.0012/08](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Flame Trackers are used to detect a flame/combustion optically. The unit senses the UV light given off by the flame and produces a 4-20 mA signal in response to the flame. The Unit has through hole and surface mounted components. RS-FS-9009(-01 and 02) has one option two parts to the electrical unit. This device consists of HOTEND and COLD END. Other option for RS-FS-9009-(03) is an assembly with both HOTEND and COLD END welded and brazed throughout assembly with ambient on each end as mentioned below.

COLD END:

RS-FS-9009-02 - Ambient Range: -51°C to 150°C, T3

RS-FS-9009-03 - Ambient Range: -51°C to 150°C, T3

HOT END:

RS-FS-9009-01 - Ambient Range: -51°C to 190°C, T3

RS-FS-9009-01 - Ambient Range: -51°C to 285°C, T2

RS-FS-9009-01 - Ambient Range: -51°C to 325°C, T1

RS-FS-9009-03 - Ambient Range: -51°C to 190°C, T3

RS-FS-9009-03 - Ambient Range: -51°C to 285°C, T2

RS-FS-9009-03 - Ambient Range: -51°C to 325°C, T1

SPECIFIC CONDITIONS OF USE: YES as shown below:

Transient overvoltage protection shall be provided on the power supply to the equipment. The transient protection shall ensure that no more than 140% of the rated input voltage is available at the power supply connections of the equipment as per clause 13(c) of IEC 60079-15:2010.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Updated the protection type from “Ex nA” to “Ex ec” - Replaced standard IEC 60079-15:2010 Edition 4.0 with IEC 60079-7:2017 Edition 5.1.
- Updated standard from IEC 60079-0: 2011 Edition: 6 to IEC 60079-0: 2017 Edition: 7.

Annex:

[G104619750-Annex for CoC IECEx ETL 15.0066X Issue 2.pdf](#)



Annex to IECEx Certificate of Conformity

Certificate No:	IECEX ETL 15.0066X	Issue No. 2
Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
SCH, FLAME SENSOR	FS-9001-20S-CERT	NC	09/05/2014
SCH, SMT FLAME SENSOR	FS-9001-60S-CERT	A	05/09/2016
SCH, SMT FLAME SENSOR	FS-9009-60S-CERT	NC	07/10/2017
FLAME TRACKER HOT END ASM	FS-9009-01-CERT	B	02/02/2016
FLAME TRACKER DRY COLD END	FS-9009-02-CERT	A	12/12/2014
*FLAME TRACKER DRY HOT/COOL ASSEMBLY	FS-9009-03-CERT	A	06/29/2021
FLAME SENSOR INTERCONNECTING CABLE	RS-E2-0285-CERT	NC	04/07/2014
REFS INTERCONNECT CABLE	RS-E2-0485-CERT	NC	10/24/2014
*FLAME TRACKER™ (4-20mA) QUICK START GUIDE - MODEL RS-FS-9009	FS-9009QSM	D	04/30/2021
*CERTIFICATION MARKING-CB	FS-9009-54-CB	C	04/27/2021

*Note: An * is included before the title of documents that are new or revised.*

Required Manufacturer Routine Testing		
Test	Title/Description of Test	Standard and Clause
1	Dielectric Strength Equipment shall withstand without breakdown a routine dielectric strength test at 500 V r.m.s. for 60 seconds carried out in accordance with clause 6.1. of EN 60079-7:2015 +A1:2018.	IEC 60079-7:2017, Clause 6.1