



## EU Declaration of Conformity

In accordance with EN ISO / IEC 17050-1:2010

### FS24X and FS24X-9

**Declaration Number:** 2004Y0062\_08

**Description:** Multi-specum QuadBand™ triple IR Fire and Flame Detector  
**Intended Use:** Fire Detection in industrial applications and certified for use in potentially explosive atmospheres

**Manufacturer:** Honeywell Analytics Inc.  
405 Barclay Blvd. Lincolnshire, Illinois 60069. USA

**Trading Company:** Life Safety Distribution GmbH  
Javastrasse 2, 8604 Hegnau, Switzerland

We hereby declare that the product identified above meets the requirements of the following EU Directives and therefore qualifies for free movement within markets comprising the European Union (EU) and the European Economic Area (EEA). This declaration is issued under the sole responsibility of the manufacturer.

### ATEX Directive 2014/34/EU

#### ATEX Hazardous


**Notified Body:** FM Approvals Europe Limited  
Element 78, Ground Floor Block A, One Georges Quay Plaza, Dublin 2 D02  
E440, Dublin, Ireland

**Notified Body Number:** 2809

**EC Certificate Number:** FM14ATEX0058X

Conforms to

EN IEC 60079-0:2018	Explosive atmospheres - Part 0: Equipment - General requirements
EN 60079-1:2014	Explosive atmospheres. Equipment protection by flameproof enclosures 'd'
EN 60079-31:2014	Explosive atmospheres. Equipment dust ignition protection by enclosure 't'
EN 60529:1991/A1:2000/A2:2013	Degrees of protection provided by enclosures (IP Code)

**Type Approval:**  II 2 G Ex db IIC T6...T4 Gb  
II 2 D Ex tb IIIC T135° C Db

#### Production Quality Assurance

**Notified Body:** FM Approvals Europe Limited  
Element 78, Ground Floor Block A, One Georges Quay Plaza, Dublin 2 D02  
E440, Dublin, Ireland

**Notified Body Number:** 2809

**EC Certificate Number:** FM17ATEXQ0050

Conforms to:

EN ISO/IEC 80079-34:2011	Explosive atmospheres. Application of quality systems for equipment manufacture
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## EMC Directive 2014/30/EU

Conforms to:

EN 50130-4:2011

Alarm systems – Part 4: Electromagnetic compatibility – Product family standard: Immunity requirements for components of fire, intruder, hold-up, CCTV, access control and social alarm systems

EN 61000-6-4:2007/A1:2011

Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments

## RoHS Directive 2011/65/EU

Consideration given to:

EN 50581:2012

Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Exemptions taken as conditions of compliance to Directive 2011/65/EU:

Annex	Number	Exemption	Expiration date:
IV	1c.	Lead, cadmium and mercury in infra-red light detectors.	None

## FS24X-9

### Construction Products Regulation (CPR) 305/2011

Notified Body:

BRE Global Assurance (Ireland) Ltd  
DCU Alpha, Old Finglas Road, Glasnevin, Dublin 11 D11 KXN4, Ireland

Notified Body Number:

2831

EC Certificate Number:

0832-CPR-F0516

Conforms to:

EN 54-10:2002/A1:2005

Fire detection and fire alarm systems – Part 10: Flame detectors – Point detectors

Signature:

Name:

**Dan Montgomery**  
Site Quality Lead

Date: 16<sup>th</sup> October 2019

For and on behalf of:

**Honeywell Analytics Inc.**

405 Barclay Blvd. Lincolnshire, Illinois 60069 USA



# EU Declaration of Performance

According to EU Construction Products Regulation No. 305/2011

## FS24X-9

- 1. Unique Product Identification Code(s): Flame Detector FS24X-9
- 2. Type Number(s): FS24X-9  
Description: Wide Band IR / UV Flame Detector
- 3. Intended Use: Fire detection and fire alarm systems installed in and around buildings
- 4. Manufacturer: Honeywell Analytics Inc. 405 Barclay Blvd. Lincolnshire. IL 60069 USA.
- 5. System of Assessment: System 1
- 6. Notified Body: LPCB  
Notified Body Number: 0832  
EC Certificate Number(s): 0832-CPR-F0516
- 7. European Technical Assessment: TE285210  
Reference:
- 8. Declared Performance:

EN 54-10: FIRE DETECTION AND FIRE ALARM SYSTEMS – FLAME DETECTORS. POINT DETECTORS		
Clause	General Requirements	Performance
4.1	Compliance	Pass
4.2	Classification	Class 1
4.3	Individual Alarm Activation	Pass
4.4	Connection of Ancillary Devices	Pass
4.5	Monitoring of Detachable Detectors	Pass
4.6	Manufacturer's Adjustments	Pass
4.7	On-site sensitivity adjustment	Pass
4.8	Data	Pass
4.9	Additional requirements for software controlled detectors	Pass
<b>Tests</b>		
5.2	Reproducibility	Pass
5.3	Repeatability	Pass
5.4	Directional Dependence	Pass
5.5	Flame Sensitivity	Pass
5.6	Dazzling	Pass
5.7	Dry Heat (operational)	Pass
5.8	Cold (operational)	Pass
5.9	Damp Heat, cyclic (operational)	Pass
5.10	Damp Heat, steady state (endurance)	Pass
5.11	Sulphur dioxide (SO2) corrosion (endurance)	Pass
5.12	Shock (operational)	Pass
5.13	Impact (operational)	Pass
5.14	Vibration, sinusoidal (operational)	Pass
5.15	Vibration, sinusoidal (endurance)	Pass
5.16	Variation in supply parameters (operational)	Pass
5.17	Electromagnetic compatibility (EMC), Immunity tests (operational)	Pass

- 9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8  
This declaration is issued under the sole responsibility of the manufacturer identified in point 4

Signature: *Daniel J. Montgomery*

Name: **Dan Montgomery**  
**Site Quality Lead**

Date: 16<sup>th</sup> October 2019

For and on behalf of: **Honeywell Analytics Inc.**

405 Barclay Blvd. Lincolnshire, Illinois 60069 USA



## ANNEX A

### FS24X and FS24X-9

#### ATEX Directive 2014/34/EU

EN 60079-0:2012	FM14ATEX0058X/01 Report No. 3053781	10 <sup>th</sup> Nov 2014 30 <sup>th</sup> Oct 2014	FM Approvals
EN 60079-1:2014	FM14ATEX0058X/02 Report No. 3053781	23 <sup>rd</sup> Sep 2015 30 <sup>th</sup> Oct 2014	FM Approvals
EN 60079-31:2014	FM14ATEX0058X/02 Report No. 3053781	23 <sup>rd</sup> Sep 2015 30 <sup>th</sup> Oct 2014	FM Approvals

#### EMC Directive 2014/30/EU

EN 50130-4:2011			
EN 61000-6-4:2007/A1:2011			

### FS24X-9

#### Construction Products Regulation (CPR) 305/2011

EN 54-10:2002+A1:2005	08332-CPR-F0515 Report No. TE285210 Iss. 1	21 <sup>st</sup> Aug 2015 14 <sup>th</sup> May 2015	BRE
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