



**Honeywell**

## EU Declaration of Conformity

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

### FS20X

**Declaration Number:** 2004Y0061\_05

**Description:** WideBand IR™ / UV 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  
1 Windsor Dials, Berkshire. SL4 1RS United Kingdom

**Notified Body Number:** 1725

**EC Certificate Number:** FM14ATEX0058X

Conforms to

EN 60079-0:2012+A11:2013\* Explosive atmospheres. 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'

**Type Approval:**  II 2 G Ex db IIC T6....T4 Gb IP66  
II 2 D Ex tb IIIC T135° C Db IP66

#### Production Quality Assurance

**Notified Body:** FM Approvals  
1 Windsor Dials, Berkshire. SL4 1RS United Kingdom

**Notified Body Number:** 1725

**EC Certificate Number:** FM14ATEXQ0062

Conforms to:

EN ISO/IEC 80079-34:2011 Explosive atmospheres. Application of quality systems for equipment manufacture

\* There are no significant changes relevant to the product between EN 60079-0:2012 and EN 60079-0:2012+A11:2013, therefore FM Approvals certification remains current.

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

**Notified Body:** LPCB  
Bucknall Lane, Garston, Watford, Hertfordshire WD25 9XX. United Kingdom

**Notified Body Number:** 0832

**EC Certificate Number:** 0832-CPR-F0515

Conforms to:  
EN 54-10:2002+A1:2005 Fire detection and fire alarm systems – Part 10: Flame detectors – Point detectors

**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

**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

**Signature:**



**Name:** Edward Bianchina  
**Quality Leader**

**Date:** 3<sup>rd</sup> August 2017

*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

## FS20X

- 1. Unique Product Identification Code(s): Flame Detector FS20X
- 2. Type Number(s): FS20X  
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. Trading Company: Life Safety Distribution GmbH - Javastrasse 2, 8604 Hegnau. Switzerland
- 6. System of Assessment: System 1
- 7. Notified Body: LPCB  
Notified Body Number: 0832  
EC Certificate Number(s): 0832-CPR-F0515
- 8. European Technical Assessment: TE285210  
Reference:
- 9. Declared Performance:

EN54-10: 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

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

Signature:

Name: Edward Bianchina  
Quality Leader

Date: 3<sup>rd</sup> August 2017

For and on behalf of: Honeywell Analytics Inc. 405 Barclay Blvd. Lincolnshire, Illinois 60069 USA