

## EC DECLARATION OF PERFORMANCE

### According to EU Construction Products Regulation No. 305/2011

1. Unique Product Identification Code(s): 22051TE-yy
2. Type Number(s):
  - 22051TE-yy (-yy is protocol indicator taking values 00 to 99)
  - DV22051TE-yy (-yy is protocol indicator taking values 00 to 99)
- Description: Multi-Sensor Smoke Detector.
3. Intended Use: Fire detection and fire alarm systems installed in and around buildings
4. Manufacturer:
  - Pittway Tecnologica Srl
  - Via Caboto 19/3
  - 34147 TRIESTE
  - Italy
5. Trading Company:
  - System Sensor Europe
  - Life Safety Distribution AG
  - Javastrasse 2
  - 8604 Hegnau
  - Switzerland
6. System of assessment: System 1
7. Notified Body:
  - VdS Schadenverhütung GmbH,
  - Amsterdamerstrasse 172-174,
  - D-50735 Köln
- Notified Body Number: 0786
- EC Certificate Number(s) 0786-CPD-20657
8. European Technical Assessment Reference: Not Applicable
9. Declared Performance:

<b>EN 54-5: Fire Detection and Fire Alarm Systems - Heat Detectors, Point Detectors</b>		
<b>Clause</b>	<b>Description</b>	<b>Performance</b>
4.1	General	Pass
4.1.1	Compliance	Pass
4.1.2	Classification	Pass – Class A1
4.2	Operational reliability	Pass
4.2.1	Position of heat sensitive elements	Pass
4.2.2	Individual alarm indication	Pass
4.2.3	Connection of ancillary devices	Pass
4.2.4	Monitoring of detachable detectors	Pass
4.2.5	Manufacturer's adjustments	Pass
4.2.6	On-site adjustment of response behaviour	Pass
4.2.7	Marking	Pass
4.2.8	Data	Pass
4.2.9	Additional requirements for software controlled detectors	Pass
4.3	Nominal activation conditions/sensitivity	Pass
4.3.1	Directional Dependence requirements	Pass
4.3.2	Static response temperature	Pass
4.3.3	Response times from typical application temperature	Pass
4.3.4	Response times from 25 °C	Pass
4.3.5	Response times from high ambient temperature (Dry heat operational)	Pass
4.3.6	Reproducibility	Pass
4.4	Response delay (response time):	Pass
4.4.1	Additional tests for detectors with class suffixes	Pass – Suffix R
4.5	Tolerance to supply voltage:	Pass
4.5.1	Variation in supply parameters	Pass
4.6	Durability of operational reliability, temperature resistance	Pass
4.6.1	Cold (operational)	Pass
4.6.2	Dry heat (endurance)	Pass
4.7	Durability of operational reliability, humidity resistance:	Pass
4.7.1	Damp heat, cyclic (operational)	Pass
4.7.2	Damp heat, steady state (endurance)	Pass
4.8	Durability of operational reliability, corrosion resistance:	Pass
4.8.1	Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	Pass

4.9	Durability of operational reliability, vibration resistance	Pass
4.9.1	Shock (operational)	Pass
4.9.2	Impact (operational)	Pass
4.9.3	Vibration, sinusoidal, (operational)	Pass
4.9.4	Vibration, sinusoidal (endurance)	Pass
4.10	Durability of operational reliability, electrical stability:	Pass
4.10.1	Electromagnetic Compatibility (EMC), Immunity tests (operational)	Pass


<b>EN 54-7: Fire Detection and Fire Alarm Systems - Smoke Detectors, Point Detectors</b>		
<b>Clause</b>	<b>Description</b>	<b>Performance</b>
4	Requirements	Pass
4.1	Compliance	Pass
4.2	Operational reliability	Pass
4.2.1	Individual alarm indication	Pass
4.2.2	Connection of ancillary devices	Pass
4.2.3	Monitoring of detachable detectors	Pass
4.2.4	Manufacturer's adjustments	Pass
4.2.5	On-site adjustment of response behaviour	Pass
4.2.6	Protection against the ingress of foreign bodies	Pass
4.2.7	Response to slowly developing fires	Pass
4.2.8	Marking	Pass
4.2.9	Data	Pass
4.2.10	Additional requirements for software controlled detectors	Pass
4.3	Nominal activation conditions/sensitivity	Pass
4.3.1	Repeatability	Pass
4.3.2	Directional Dependence	Pass
4.3.3	Reproducibility	Pass
4.4	Tolerance to supply voltage	Pass
4.4.1	Variation in supply parameters	Pass
4.5	Response delay (response time)	Pass
4.5.1	Air movement	Pass
4.5.2	Dazzling	Pass
4.6	Durability of reliability, temperature resistance	Pass
4.6.1	Dry heat (operational)	Pass
4.6.2	Cold (operational)	Pass
4.7	Durability of reliability, humidity resistance	Pass
4.7.1	Damp heat, steady state (operational)	Pass
4.7.2	Damp heat, steady state (endurance)	Pass
4.8	Durability of reliability, corrosion resistance	Pass
4.8.1	Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	Pass
4.9	Durability of reliability, vibration resistance	Pass
4.9.1	Shock (operational)	Pass
4.9.2	Impact (operational)	Pass
4.9.3	Vibration, sinusoidal, (operational)	Pass
4.9.4	Vibration, sinusoidal (endurance)	Pass
4.10	Durability of operational reliability, electrical stability:	Pass
4.10.1	Electromagnetic Compatibility (EMC), Immunity tests (operational)	Pass
4.11	Performance parameters under fire conditions:	Pass
4.11.1	Fire sensitivity	Pass

## EC DECLARATION OF CONFORMITY

We hereby declare that the product identified above meets the requirements of the of the following EC Directives and therefore qualify for free movement within markets comprising the European Union (EU) and the European Economic Area (EEA):

- **EMC Directive 2004/108/EC**
- **ROHS - Directive 2011/65/EU**
- **WEEE - Directive 2012/19/EU**

For and on behalf of  
Pittway Tecnologica S.r.l.



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