

EC DECLARATION OF PERFORMANCE

According to EU Construction Products Regulation No. 305/2011

1. Unique Product Identification Code(s): 22051EI-yy
2. Type Number(s):
 - 22051EI-yy (-yy is protocol indicator taking values 00 to 99)
 - ND22051EI-yy (-yy is protocol indicator taking values 00 to 99)
- Description: Optical Smoke Detector with incorporated short circuit isolator.
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-20652
8. European Technical Assessment Reference: Not Applicable
9. Declared Performance:

EN 54-7: Fire Detection and Fire Alarm Systems - Smoke Detectors, Point Detectors		
Clause	Description	Performance
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 ₂) 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

EN 54-17: Fire Detection and Fire Alarm Systems - Short Circuit Isolators		
Clause	Description	Performance
4.1.	Compliance	Pass
4.2.	Integral status indication	Pass
4.3.	Connection of ancillary devices	Pass
4.4.	Monitoring of detachable short circuit isolators	Pass
4.5.	Manufacturer's adjustments	Pass
4.6.	On site adjustments	Pass
4.7.	Marking	Pass
4.8.	Data	Pass
4.9.	Additional requirements for software controlled short circuit isolators	Pass
5.3	Variation in supply voltage	Pass
5.4	Dry heat (operational)	Pass
5.5	Cold (operational)	Pass
5.6	Damp heat cyclic (operational)	Pass
5.7	Damp heat steady state (endurance)	Pass
5.8	Sulphur dioxide (SO2) corrosion (endurance)	Pass
5.9	Shock (operational)	Pass
5.10	Impact (operational)	Pass
5.11	Vibration, sinusoidal (operational)	Pass
5.12	Vibration, sinusoidal (endurance)	Pass
5.13	Electromagnetic compatibility (EMC) immunity tests	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.



Marco Corti
Plant Manager

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