

## EC DECLARATION OF PERFORMANCE

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

1. Unique Product Identification Code(s): NFXI-TDIFF
2. Type Number(s): - NFXI-TDIFF  
Description: Class A1R Heat 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-20643
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 54-17: Fire Detection and Fire Alarm Systems - Short Circuit Isolators</b>		
<b>Clause</b>	<b>Description</b>	<b>Performance</b>
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 (SO <sub>2</sub> ) 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

Pittway Tecnologica S.r.l.  
a socio unico  
Via Caboto 19/3  
34147 TRIESTE (Italy)  
Tel: +39-040-9490111

Fax: +39-040-382137

N. IVA IT 00744320326  
Reg. Impr. TS n. 10331 Trib. TS  
R.E.A. N. 97799  
Cap.Soc. € 1.368.619,00 int. vers.  
P.IVA e Cod. Fisc. 00744320326