Panasonic

DECLARATION OF PERFORMANCE

According to Construction Products Regulation (EU) No 305/2011
and amended by Regulation (EU) No 574/2014
Document No. 2831-CPR-F2748

1. Unique identification code of the product-type:

   Type 2840 Intrinsically safe analog photoelectrical smoke detector

2. Intended Use:

   Fire detection and fire alarm systems installed in and around buildings

3. Manufacturer:

   Panasonic Corporation Tsu Factory

   1668, Fujikata, Tsu-shi, Mie-ken, 514-8555, JAPAN

4. Authorized representative:

   Niels Erdmann

   Panasonic Testing Centre

   Panasonic Marketing Europe GmbH

   Winsbergring 15, 22525 Hamburg, Germany

5. System(s) of AVCP:

   System 1

6a. Harmonized standard:

   EN54-7:2018

Notified body:

   BRE Global Assurance (Ireland) Limited Accreditation No. 2831

   Certificate of constancy of performance: 2831-CPR-F2748

6b. European Assessment Document: **N/A**

European Technical Assessment: **N/A**

Technical Assessment Body: **N/A**

Notified Body: **N/A**

7. Declared performance:

Essential characteristics	**Clauses in** EN54-7:2018	**Regulatory classes**	**Notes**
Operational reliability		None	
Individual alarm indication	4.2.1		
Connection of ancillary devices	4.2.2		
Monitoring of detachable detectors	4.2.3		
Manufacturer's adjustments	4.2.4		
On site adjustment of response behaviour	4.2.5		
Protection against the ingress of foreign bodies	4.2.6		
Response to slowly developing fires	4.2.7		
software controlled detector (when provided)	4.2.8		
Nominal activation conditions / sensitivity			
Repeatability	4.3.1	0.08 – 0.10 dB/m	Ratio 1.25
Directional dependence	4.3.2	0.09 – 0.11 dB/m	Ratio 1.22
Reproducibility	4.3.3	0.08 – 0.12 dB/m	Ratio 1.21 – 1.24
Response delay (response time)			
Air movement	4.4.1	0.07 – 0.08 dB/m	Ratio 1.0
Dazzling	4.4.2	0.08 – 0.10 dB/m	Ratio 1.0 – 1.25
Tolerance to supply voltage: Variation in supply parameters	4.5	0.08 – 0.09 dB/m	Ratio 1.13
Performance parameters under fire conditions: Fire sensitivity	4.6		
Durability of Nominal activation conditions/sensitivity			
Temperature resistance:			
Cold (operational)	4.7.1.1	0.08 – 0.09 dB/m	Ratio 1.13
Dry heat (operational)	4.7.1.2	0.09 – 0.10 dB/m	Ratio 1.11

Panasonic

Humidity resistance:			
Damp heat, steady-state (operational)	4.7.2.1	0.10 – 0.14 dB/m	Ratio 1.40
Damp heat, steady-state (endurance)	4.7.2.2	0.10 – 0.13 dB/m	Ratio 1.30
Corrosion resistance:			
Sulfur dioxide (SO2) corrosion (endurance)	4.7.3	0.08 – 0.09 dB/m	Ratio 1.13
Vibration Resistance:			
Shock (operational)	4.7.4.1	0.11 – 0.12 dB/m	Ratio 1.09
Impact (operational)	4.7.4.2	0.09 – 0.10 dB/m	Ratio 1.11
Vibration, sinusoidal (operational)	4.7.4.3	0.09 – 0.13 dB/m	Ratio 1.44
Vibration, sinusoidal (endurance)	4.7.4.4	0.09 – 0.13 dB/m	Ratio 1.44
Electrical stability: EMC, immunity (operational)	4.7.5	0.08 – 0.09 dB/m	Ratio 1.0 - 1.13

8. Appropriate Technical Documentation and/or Specific Technical Documentation: **N/A**

The performance of the product identified is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above:

Signed for and on behalf of the manufacturer by:

(Signature): Hisashi Taniguchi
(Printed name): Hisashi Taniguchi
(Title): Director
Place and date of issue
Japan, November 2, 2022

Authorized Representative in EU:

(Signature): W. Kühl
(Printed Name): Wolfram Kühl
(Date): 02.Nov.2022
Panasonic Testing Centre
Panasonic Marketing Europe GmbH
Winsbergring 15, 22525 Hamburg, Germany