



DECLARATION OF PERFORMANCE

No. 0051-CPR-1875

Unique identification code of the product-type:

ID100

Base/s: **EB0010 or EB0110 (standard base)**
EB0020 or EB0120 (relay base)

Intended use/s:

**Conventional optical smoke detector
for fire detection and fire alarm systems installed in buildings**

Manufacturer:

INIM ELECTRONICS S.R.L.
VIA DEI LAVORATORI 10 - FRAZIONE CENTOBUCHI
63076 MONTEPRANDONE (AP) - ITALY
tel.: +39 0735 705007, fax: +39 0735 704912
web: www.inim.biz, e-mail: info@inim.biz

System/s of AVCP:

System 1

Harmonized standard/s:

EN 54-7:2018

Notified Body/ies:

IMQ S.p.A., No. 0051

Declared performance/s:

Essential Characteristics	Performance	Harmonized technical specification	Clause §	Note
Operational reliability				
Individual alarm indication	PASS	EN 54-7:2018	4.2.1	
Connection of ancillary devices	PASS		4.2.2	
Monitoring of detachable detectors	PASS		4.2.3	
Manufacturer's adjustments	PASS		4.2.4	
On site adjustment of response behaviour	PASS		4.2.5	Sensitivity: 0,08dB/m, 0,10dB/m, 0,12dB/m, 0,15dB/m
Protection against the ingress of foreign bodies	PASS		4.2.6	
Response to slowly developing fires	PASS		4.2.7	
Software controlled detector	PASS		4.2.8	
Nominal activation conditions/Sensitivity				
Repeatability	PASS	EN 54-7:2018	4.3.1	
Directional dependence	PASS		4.3.2	
Reproducibility	PASS		4.3.3	
Response delay (response time)				
Air movement	PASS	EN 54-7:2018	4.4.1	
Dazzling	PASS		4.4.2	
Tolerance to supply voltage				
Variation in supply parameters	PASS	EN 54-7:2018	4.5	
Performance parameters under fire conditions				
Fire sensitivity	PASS	EN 54-7:2018	4.6	
Durability of Nominal activation conditions/Sensitivity				
Temperature resistance				
Cold (operational)	PASS	EN 54-7:2018	4.7.1.1	
Dry heat (operational)	PASS		4.7.1.2	
Humidity resistance				
Damp heat, steady-state (operational)	PASS	EN 54-7:2018	4.7.2.1	
Damp heat, steady-state (endurance)	PASS		4.7.2.2	



Corrosion resistance				
<i>Sulfur dioxide (SO₂) corrosion (endurance)</i>	PASS	EN 54-7:2018	4.7.3	
Vibration resistance				
<i>Shock (operational)</i>	PASS	EN 54-7:2018	4.7.4.1	
<i>Impact (operational)</i>	PASS		4.7.4.2	
<i>Vibration sinusoidal (operational)</i>	PASS		4.7.4.3	
<i>Vibration sinusoidal (endurance)</i>	PASS		4.7.4.4	
Electrical stability				
<i>Electromagnetic Compatibility (EMC), Immunity tests (operational)</i>	PASS	EN 54-7:2018	4.7.5	

The performance of the product identified above 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:

Baldovino Ruggieri
(Managing Director)

At Monteprandone, on 24/02/2023

Evolving Security