



DECLARATION OF PERFORMANCE

No. **0051-CPR-1876**

Unique identification code of the product-type:

ED300Base/s: **EB0010 or EB0110 (standard base)**
EB0020 or EB0120 (relay base)

Intended use/s:

**Intelligent analogue addressable multicriteria optical smoke and category P heat detector
with short circuit isolator for fire detection and fire alarm systems installed in buildings**

Manufacturer:

INIM ELECTRONICS S.R.L.
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System/s of AVCP:

System 1

Harmonized standard/s:

EN 54-5:2017 + A1:2018
EN 54-7:2018
EN 54-17:2005 + AC:2007

Notified Body/ies:

IMQ S.p.A., No. 0051

Declared performance/s:

Essential Characteristics	Performance	Harmonized technical specification	Clause §	Note
Operational reliability				
Position of heat sensitive element	PASS	EN 54-5:2017 + A1:2018	4.2.1	
Individual alarm indication	PASS	EN 54-5:2017 + A1:2018	4.2.2	
	PASS	EN 54-7:2018	4.2.1	
Connection of ancillary devices	PASS	EN 54-5:2017 + A1:2018	4.2.3	
	PASS	EN 54-7:2018	4.2.2	
Monitoring of detachable detectors	PASS	EN 54-5:2017 + A1:2018	4.2.4	
	PASS	EN 54-7:2018	4.2.3	
Manufacturer's adjustments	PASS	EN 54-5:2017 + A1:2018	4.2.5	
	PASS	EN 54-7:2018	4.2.4	
On site adjustment of response behaviour	PASS	EN 54-5:2017 + A1:2018	4.2.6	Category P: A1R, B Sensitivity: 0,08dB/m, 0,10dB/m, 0,12dB/m, 0,15dB/m
	PASS	EN 54-7:2018	4.2.5	
Protection against the ingress of foreign bodies	PASS	EN 54-7:2018	4.2.6	
Response to slowly developing fires	PASS		4.2.7	
Software controlled detector	PASS	EN 54-5:2017 + A1:2018	4.2.7	
	PASS	EN 54-7:2018	4.2.8	
Requirements	PASS	EN 54-17:2005 + AC:2007	4	
Nominal activation conditions/Sensitivity				
Repeatability	PASS	EN 54-7:2018	4.3.1	
Directional dependence	PASS	EN 54-5:2017 + A1:2018	4.3.1	
	PASS	EN 54-7:2018	4.3.2	
Static response temperature	PASS	EN 54-5:2017 + A1:2018	4.3.2	
Response times from typical application temperature	PASS		4.3.3	
Response times from 25°C	PASS		4.3.4	
Response times from high ambient temperature	PASS		4.3.5	
Reproducibility	PASS		4.3.6	
	PASS	EN 54-7:2018	4.3.3	
	PASS	EN 54-17:2005 + AC:2007	5.2	



Response delay (response time)				
Air movement	PASS	EN 54-7:2018	4.4.1	
Dazzling	PASS		4.4.2	
Additional test for suffix S point heat detectors	NPD	EN 54-5:2017 + A1:2018	4.4.1	
Additional test for suffix R point heat detectors	PASS		4.4.2	
Tolerance to supply voltage				
Variation in supply parameters	PASS	EN 54-5:2017 + A1:2018	4.5.1	
	PASS	EN 54-7:2018	4.5	
	PASS	EN 54-17:2005 + AC:2007	5.3	
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 54-5:2017 + A1:2018	4.6.1.1	
	PASS	EN 54-7:2018	4.7.1.1	
	PASS	EN 54-17:2005 + AC:2007	5.5	
Dry heat (operational)	PASS	EN 54-7:2018	4.7.1.2	
	PASS	EN 54-17:2005 + AC:2007	5.4	
Dry heat (endurance)	PASS	EN 54-5:2017 + A1:2018	4.6.1.2	
Humidity resistance				
Damp heat, steady-state (operational)	PASS	EN 54-7:2018	4.7.2.1	
Damp heat, cyclic (operational)	PASS	EN 54-5:2017 + A1:2018	4.6.2.1	
	PASS	EN 54-17:2005 + AC:2007	5.6	
Damp heat, steady-state (endurance)	PASS	EN 54-5:2017 + A1:2018	4.6.2.2	
	PASS	EN 54-7:2018	4.7.2.2	
	PASS	EN 54-17:2005 + AC:2007	5.7	
Corrosion resistance				
Sulfur dioxide (SO ₂) corrosion (endurance)	PASS	EN 54-5:2017 + A1:2018	4.6.3	
	PASS	EN 54-7:2018	4.7.3	
	PASS	EN 54-17:2005 + AC:2007	5.8	
Vibration resistance				
Shock (operational)	PASS	EN 54-5:2017 + A1:2018	4.6.4.1	
	PASS	EN 54-7:2018	4.7.4.1	
	PASS	EN 54-17:2005 + AC:2007	5.9	
Impact (operational)	PASS	EN 54-5:2017 + A1:2018	4.6.4.2	
	PASS	EN 54-7:2018	4.7.4.2	
	PASS	EN 54-17:2005 + AC:2007	5.10	
Vibration sinusoidal (operational)	PASS	EN 54-5:2017 + A1:2018	4.6.4.3	
	PASS	EN 54-7:2018	4.7.4.3	
	PASS	EN 54-17:2005 + AC:2007	5.11	
Vibration sinusoidal (endurance)	PASS	EN 54-5:2017 + A1:2018	4.6.4.4	
	PASS	EN 54-7:2018	4.7.4.4	
	PASS	EN 54-17:2005 + AC:2007	5.12	
Electrical stability				
Electromagnetic Compatibility (EMC), Immunity tests (operational)	PASS	EN 54-5:2017 + A1:2018	4.6.5	
	PASS	EN 54-7:2018	4.7.5	
	PASS	EN 54-17:2005 + AC:2007	5.13	

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 Montepandone, on 24/02/2023