

## DECLARATION OF PERFORMANCE

No. 0051-CPR-1878

Unique identification code of the product-type:

inim

ED100 Base/s: EB0010 or EB0110 (standard base) EB0020 or EB0120 (relay base) Intended use/s: Intelligent analogue addressable optical smoke detector with short circuit isolator 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 54-7:2000 + A1:2002 + A2:2006 EN 54-17:2005 Notified Body/ies: IMQ S.p.A., No. 0051

Declared performance/s:

Essential Characteristics	Performance	Harmonized technical specification	§	Note
Nominal activation condition/sensitivity, response delay (response time) and performance under fire conditions				
Response to slowly developing fires	PASS	EN 54-7:2000 + A1:2002 + A2:2006	4.8	
Repeatability	PASS		5.2	
Directional dependence	PASS		5.3	
Reproducibility	PASS		5.4	
Air movement	PASS		5.6	
Dazzling	PASS		5.7	
Fire sensitivity	PASS		5.18	
Performance under fire condition				
Reproducibility	PASS	EN 54-17:2005	5.2	
Operational reliability				
Individual alarm indication	PASS	EN 54-7:2000 + A1:2002 + A2:2006	4.2	
Connection of ancillary devices	PASS		4.3	
Monitoring of detachable detectors	PASS		4.4	
Manufacturer's adjustments	PASS		4.5	
On-site adjustment	PASS		4.6	
Ingress of foreign bodies	PASS		4.7	
Marking	PASS		4.9	
Data	PASS		4.10	
Additional requirements for detectors controlled via software	PASS		4.11	
Requirements	PASS	EN 54-17:2005	4	

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Tolerance to supply voltage				
Variation in supply	PASS	EN 54-7:2000 + A1:2002 + A2:2006	5.5	
Durability of operational reliability: temperature resistance				
Cold (operational)	PASS PASS	EN 54-7:2000 + A1:2002 + A2:2006 EN 54-17:2005	5.9 5.5	
Dry heat (operational)	PASS PASS	EN 54-7:2000 + A1:2002 + A2:2006 EN 54-17:2005	5.8 5.4	
Durability of operational reliability: vibration resistance				
Shock (operational)	PASS PASS	EN 54-7:2000 + A1:2002 + A2:2006 EN 54-17:2005	5.13 5.9	
Impact (operational)	PASS PASS	EN 54-7:2000 + A1:2002 + A2:2006 EN 54-17:2005	5.14 5.10	
Vibration, sinusoidal (operational)	PASS PASS	EN 54-7:2000 + A1:2002 + A2:2006 EN 54-17:2005	5.15 5.11	
Vibration, sinusoidal (endurance)	PASS PASS	EN 54-7:2000 + A1:2002 + A2:2006 EN 54-17:2005	5.16 5.12	
Durability of operational reliability: humidity resistance				
Damp heat, steady state (operational)	PASS	EN 54-7:2000 + A1:2002 + A2:2006	5.10	
Damp heat, steady state (endurance)	PASS PASS	EN 54-7:2000 + A1:2002 + A2:2006 EN 54-17:2005	5.11 5.7	
Damp heat, cyclic (operational)	PASS	EN 54-17:2005	5.6	
Durability of operational reliability: corrosion resistance				
Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	PASS PASS	EN 54-7:2000 + A1:2002 + A2:2006 EN 54-17:2005	5.12 5.8	
Durability of operational reliability: electrical stability				
Electromagnetic compatibility (EMC), immunity tests (operational)	PASS PASS	EN 54-7:2000 + A1:2002 + A2:2006 EN 54-17:2005	5.17 5.3, 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 Monteprandone, on 11/05/2022