



DECLARATION OF PERFORMANCE

No. 0051-CPR-1420

Unique identification code of the product-type:

SmartLoop1010/P
provided with SmartLAN and/or SmartLoop/PSTN

Intended use/es

**Control and indicating equipment with integrated power supply equipment and
alarm transmission and fault warning routing equipment
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 54-2:1997 + A1:2006
EN 54-4:1997 + A1:2002 + A2:2006
EN 54-21:2006

Notified Body/ies:

IMQ S.p.A., No. 0051

Declared performance/es:

Essential Characteristics	Performance	Harmonized technical specification	§	Note
Performance under fire conditions				
General requirements	PASS	EN 54-2:1997 + A1:2006	4	
General requirements for indications	PASS		5	
Fire alarm condition	PASS		7	
Performance of power supply				
General requirements	PASS	EN 54-4:1997 + A1:2002 + A2:2006	4	
Functions	PASS		5	
Materials, design and manufacture	PASS		6	
Performance of transmission				
General requirements	PASS	EN 54-21:2006	4	
Functional requirements	PASS		5	
Response delay (response time to fire)				
Reception and fire signals	PASS	EN 54-2:1997 + A1:2006	7.1	
Output of fire alarm condition	PASS		7.7	
Output to fire alarm device (option with requirements)	PASS		7.8	
Delay to outputs (option with requirements)	PASS		7.11	
Co-incidence detection (option with requirement)	PASS		7.12	Type B and C
Operational reliability				
General requirements	PASS	EN 54-2:1997 + A1:2006	4	
General requirements for indications	PASS		5	
The quiescent condition	PASS		6	
The fire alarm condition	PASS		7	



Fault warning condition	PASS		8	
Fault signals from points (option with requirements)	PASS		8.3	
Disabled condition	PASS		9	
Disabling of addressable points (option with requirements)	PASS		9.5	
Test condition (option with requirements)	PASS		10	
Standardized input/output interface (option with requirements)	NPD		11	
Design requirements	PASS		12	
Additional design requirements for software controlled control and indicating equipments	PASS		13	
Marking	PASS		14	
General requirements	PASS	EN 54-4:1997 + A1:2002 + A2:2006	4	
Functions	PASS		5	
Materials, design and manufacture	PASS		6	
Documentation	PASS		7	
Marking	PASS		8	
General requirements	PASS	EN 54-21:2006	4	
Functional requirements	PASS		5	
Design requirements	PASS		7	
Marking	PASS		8	
Power supply	PASS		9	
Durability of operational reliability: temperature resistance				
Cold (operational)	PASS	EN 54-2:1997 + A1:2006	15.4	
	PASS	EN 54-4:1997 + A1:2002 + A2:2006	9.5	
	PASS	EN 54-21:2006	10.4	
Durability of operational reliability: vibration resistance				
Impact (operational)	PASS	EN 54-2:1997 + A1:2006	15.6	
	PASS	EN 54-4:1997 + A1:2002 + A2:2006	9.7	
	PASS	EN 54-21:2006	10.6	
Vibration, sinusoidal (operational)	PASS	EN 54-2:1997 + A1:2006	15.7	
	PASS	EN 54-4:1997 + A1:2002 + A2:2006	9.8	
	PASS	EN 54-21:2006	10.7	
Vibration, sinusoidal (endurance)	PASS	EN 54-2:1997 + A1:2006	15.15	
	PASS	EN 54-4:1997 + A1:2002 + A2:2006	9.15	
	PASS	EN 54-21:2006	10.11	
Durability of operational reliability: electrical stability				
Electromagnetic compatibility (EMC), immunity tests (operational)	PASS	EN 54-2:1997 + A1:2006	from 15.8 to 15.13	
	PASS	EN 54-4:1997 + A1:2002 + A2:2006	from 9.9 to 9.13	
	PASS	EN 54-21:2006	from 10.8 to 10.9	
Durability of operational reliability: humidity resistance				
Damp heat, steady state (operational)	PASS	EN 54-2:1997 + A1:2006	15.5	
	PASS	EN 54-4:1997 + A1:2002 + A2:2006	9.6	
	PASS	EN 54-21:2006	10.5	
Damp heat, steady state (endurance)	PASS	EN 54-2:1997 + A1:2006	15.14	
	PASS	EN 54-4:1997 + A1:2002 + A2:2006	9.14	
	PASS	EN 54-21:2006	10.10	

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 09/08/2019