



DECLARATION OF PERFORMANCE

No. 0051-CPR-1419

Unique identification code of the product-type:

SmartLoop1010/G
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:

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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-occurrence 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	



<i>Fault warning condition</i>	PASS		8	
<i>Fault signals from points (option with requirements)</i>	PASS		8.3	
<i>Disabled condition</i>	PASS		9	
<i>Disabling of addressable points (option with requirements)</i>	PASS		9.5	
<i>Test condition (option with requirements)</i>	PASS		10	
<i>Standardized input/output interface (option with requirements)</i>	NPD		11	
<i>Design requirements</i>	PASS		12	
<i>Additional design requirements for software controlled control and indicating equipments</i>	PASS		13	
<i>Marking</i>	PASS		14	
<i>General requirements</i>	PASS		4	
<i>Functions</i>	PASS		5	
<i>Materials, design and manufacture</i>	PASS	EN 54-4:1997 + A1:2002 + A2:2006	6	
<i>Documentation</i>	PASS		7	
<i>Marking</i>	PASS		8	
<i>General requirements</i>	PASS		4	
<i>Functional requirements</i>	PASS		5	
<i>Design requirements</i>	PASS	EN 54-21:2006	7	
<i>Marking</i>	PASS		8	
<i>Power supply</i>	PASS		9	
Durability of operational reliability: temperature resistance				
<i>Cold (operational)</i>	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				
<i>Impact (operational)</i>	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	
<i>Vibration, sinusoidal (operational)</i>	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	
<i>Vibration, sinusoidal (endurance)</i>	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				
<i>Electromagnetic compatibility (EMC), immunity tests (operational)</i>	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				
<i>Damp heat, steady state (operational)</i>	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	
<i>Damp heat, steady state (endurance)</i>	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