



# DECLARATION OF PERFORMANCE

No. **0051-CPR-1872**

Unique identification code of the product-type:

**EM312SR**

Intended use/s:

***Intelligent analogue addressable mini input/output module 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**  
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System/s of AVCP:

**System 1**

Harmonized standard/s:

**EN 54-17:2005**  
**EN 54-18:2005**

Notified Body/ies:

**IMQ S.p.A., No. 0051**

Declared performance/s:

Essential Characteristics	Performance	Harmonized technical specification	§	Note
<b>Response delay (response time)</b>				
<i>Performance and variation in supply parameters</i>	PASS	EN 54-18:2005	5.2	
<b>Performance under fire condition</b>				
<b>Reproducibility</b>	PASS	EN 54-17:2005	5.2	
<i>Functional test</i>	PASS	EN 54-18:2005	5.1.4	
<b>Operational reliability</b>				
<i>Requirements</i>	PASS	EN 54-17:2005	4	
<i>Functional test</i>	PASS	EN 54-18:2005	5.1.4	
<b>Durability of operational reliability: temperature resistance</b>				
<i>Cold (operational)</i>	PASS PASS	EN 54-17:2005 EN 54-18:2005	5.5 5.4	
<i>Dry heat (operational)</i>	PASS PASS	EN 54-17:2005 EN 54-18:2005	5.4 5.3	
<b>Durability of operational reliability: vibration resistance</b>				
<i>Shock (operational)</i>	PASS PASS	EN 54-17:2005 EN 54-18:2005	5.9 5.8	
<i>Impact (operational)</i>	PASS PASS	EN 54-17:2005 EN 54-18:2005	5.10 5.9	
<i>Vibration, sinusoidal (operational)</i>	PASS PASS	EN 54-17:2005 EN 54-18:2005	5.11 5.10	
<i>Vibration, sinusoidal (endurance)</i>	PASS PASS	EN 54-17:2005 EN 54-18:2005	5.12 5.11	
<b>Durability of operational reliability: humidity resistance</b>				
<i>Damp heat, steady state (endurance)</i>	PASS PASS	EN 54-17:2005 EN 54-18:2005	5.7 5.6	



<i>Damp heat, cyclic (operational)</i>	<b>PASS</b> <b>PASS</b>	<i>EN 54-17:2005</i> <i>EN 54-18:2005</i>	<b>5.6</b> <b>5.5</b>	
<b>Durability of operational reliability: corrosion resistance</b>				
<i>Sulphur dioxide (SO<sub>2</sub>) corrosion (endurance)</i>	<b>PASS</b> <b>PASS</b>	<i>EN 54-17:2005</i> <i>EN 54-18:2005</i>	<b>5.8</b> <b>5.7</b>	
<b>Durability of operational reliability: electrical stability</b>				
<i>Electromagnetic compatibility (EMC), immunity tests (operational)</i>	<b>PASS</b> <b>PASS</b>	<i>EN 54-17:2005</i> <i>EN 54-18:2005</i>	<b>5.3, 5.13</b> <b>5.2, 5.12</b>	

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 26/02/2020

