



# DECLARATION OF PERFORMANCE

No. 0051-CPR-1499

Unique identification code of the product-type:

Serie: **PREVIDIA-Compact**

Model/s:

**PREVIDIA-C200SZx, PREVIDIA-C200Sx, PREVIDIA-C100SZE<sub>x</sub>, PREVIDIA-C100SZx, PREVIDIA-C100Sx, PREVIDIA-C050SZE<sub>x</sub>, PREVIDIA-C050SZx, PREVIDIA-C050Sx**

where the parameter "x" can assume the following values: **G, R, D**

Intended use/es

**Control and indicating equipment with power supply equipment,  
alarm transmission and fault warning routing equipment and  
electrical automatic control and delay device integrated  
for fire detection and fire alarm systems installed in buildings and  
for gas extinguishing systems installed in buildings and part of a complete system.**

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**  
**EN 12094-1:2003**

Notified Body/ies:

**IMQ S.p.A., N. 0051**

Declared performance/es:

Essential Characteristics	Performance	Harmonized technical specification	§	Note
<b>Performance under fire conditions</b>				
General requirements	PASS	EN 54-2:1997 + A1:2006	4	
General requirements for indications	PASS		5	
Fire alarm condition	PASS		7	
Signal processing and indication	PASS	EN 12094-1:2003	4.3	
Reception and processing of input triggering signals	PASS		4.4	
Transmission of extinguishing signal	PASS		4.5	
Activation of alarm devices	PASS		4.6	
Delay of extinguishing signal (option with requirements)	PASS		4.17	
Signal representing the flow of extinguishing agent (option with requirements)	PASS		4.18	
Monitoring the status of components (option with requirements)	PASS		4.19	
Emergency hold device	PASS		4.20	



<i>(option with requirements)</i>				
Control of flooding time <i>(option with requirements)</i>	PASS		4.21	
Manual only mode <i>(option with requirements)</i>	PASS		4.23	
Triggering signal to equipment within the system <i>(option with requirements)</i>	PASS		4.24	
Triggering of equipment outside the system <i>(option with requirements)</i>	PASS		4.26	
Emergency abort device <i>(option with requirements)</i>	PASS		4.27	
Activation of alarm devices with different signals <i>(option with requirements)</i>	PASS		4.30	
<b>Performance of power supply</b>				
General requirements	PASS		4	
Functions	PASS	EN 54-4:1997 + A1:2002 + A2:2006	5	
Materials, design and manufacture	PASS		6	
<b>Performance of transmission</b>				
General requirements	PASS		4	
Functional requirements	PASS	EN 54-21:2006	5	
<b>Response delay (response time to fire)</b>				
Reception and fire signals	PASS		7.1	
Output of the fire alarm condition	PASS		7.7	
Output to the fire alarm device <i>(option with requirements)</i>	PASS		7.8	
Control of fire alarm routing equipment <i>(option with requirements)</i>	PASS		7.9	
Output to fire alarm routing devices <i>(option with requirements)</i>	PASS		7.9.1	
Alarm confirmation input from fire alarm routing equipment <i>(option with requirements)</i>	PASS		7.9.2	
Outputs to fire protection equipment <i>(option with requirements)</i>	PASS		7.10	
Output type A <i>(option with requirements)</i>	PASS		7.10.1	
Output type B <i>(option with requirements)</i>	PASS		7.10.2	
Output type C <i>(option with requirements)</i>	PASS	EN 54-2:1997 + A1:2006	7.10.3	
Fault monitoring of fire protection equipment <i>(option with requirements)</i>	PASS		7.10.4	
Delays to outputs <i>(option with requirements)</i>	PASS		7.11	
Dependencies on more than one signal <i>(option with requirement)</i>	PASS		7.12	
Type A dependency <i>(option with requirements)</i>	PASS		7.12.1	
Type B dependency <i>(option with requirements)</i>	PASS		7.12.2	
Type C dependency <i>(option with requirements)</i>	PASS		7.12.3	
Alarm counter <i>(option with requirements)</i>	PASS		7.13	
Activated condition	PASS	EN 12094-1:2003	4.8	
<b>Operational reliability</b>				
General requirements	PASS		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 <i>(option with requirements)</i>	PASS		8.3	
Output to warning routing equipment <i>(option with requirements)</i>	PASS	EN 54-2:1997 + A1:2006	8.9	
Disabled condition	PASS		9	
Disabling of addressable points <i>(option with requirements)</i>	PASS		9.5	
Test condition <i>(option with requirements)</i>	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	
Functional requirements	PASS	EN 12094-1:2003	4	
Design requirements	PASS		5	
Additional design requirements for software controlled CIE	PASS		6	
<b>Durability of operational reliability: temperature resistance</b>				
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	
	PASS	EN 12094-1:2003	9	
<b>Durability of operational reliability: vibration resistance</b>				
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	
	PASS	EN 12094-1:2003	9	
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	
	PASS	EN 12094-1:2003	9	
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	
	PASS	EN 12094-1:2003	9	
<b>Durability of operational reliability: electrical stability</b>				
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	10.8 and 10.9	
	PASS	EN 12094-1:2003	9	
<b>Durability of operational reliability: humidity resistance</b>				
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	
	PASS	EN 12094-1:2003	9	
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	
	PASS	EN 12094-1:2003	9	

Optional electronic boards installable into the control panel enclosure:

- PREVIDIA-C-DIAL**      *remote communication module over PSTN and GSM 3G/GPRS*
- PREVIDIA-C-COM**    *serial and IP interface module*

Optional external devices:

- PREVIDIA-C-REPW**    *repeater base model with white enclosure*
- PREVIDIA-C-REPR**    *repeater base model with red enclosure*
- PREVIDIA-C-REPEW**   *repeater with extinction display and white enclosure*
- PREVIDIA-C-REPER**   *repeater with extinction display and red enclosure*



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.

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Signed for and on behalf of the manufacturer by:

A handwritten signature in black ink, appearing to read "Baldovino Ruggieri".

*Baldovino Ruggieri*  
(Managing Director)

At Monteprandone, on 19/11/2021



Evolving Security