CERTIFICATE OF CONSTANCY OF PERFORMANCE

0051–CPR–1499

In compliance with Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation, or CPR), this Certificate applies to the construction product

CONTROL AND INDICATING EQUIPMENT WITH INTEGRATED POWER SUPPLY EQUIPMENT, ALARM TRANSMISSION AND FAULT WARNING ROUTING EQUIPMENT (optional), ELECTRICAL AUTOMATIC CONTROL AND DELAY DEVICE (optional)

Series: **PREVIDIA-Compact; see ANNEX for the complete list of models**

Trademark: **INIM ELECTRONICS**

Other information: **see ANNEX**

Produced by:

INIM ELECTRONICS S.r.l.
Via Dei Lavoratori, 5 – Loc. Centobuchi
63076 Monteprandone (AP)

In the manufacturing plant(s):

PI.H000OJ

This Certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard(s)

EN 54-2:1997 + A1:2006; EN 54-4:1997 + A1:2002 + A2:2006
EN 54-21:2006; EN 12094-1:2003

under system **1** are applied and that

the product fulfills all the prescribed requirements set out above.

This certificate was first issued on 2018-09-20 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonized standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

ING. V. BAGGIO
CPR TECHNICAL DIRECTOR

Milan, 2018-09-20

This Certificate was issued by IMQ S.p.A., a Notified Body according to Regulation (EU) No. 305/2011.
IMQ S.p.A. Identification Number is: 0051.

ANNEX

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Model **PREVIDIA-C200SZEG**

Configuration:

The control and indicating equipment consist of a grey metallic enclosure (dimensions: 322 x 324 x 86 mm) with IP30 degree of protection, containing:

- No. 1 Main/CPU board (PCB code IN223-R2);
- No. 1 Input/output board (PCB code IN224-R1), with 2 loop line, 4 Input/output circuits and 1 output circuit;
- No. 1 Zone LED board (PCB code IN238-R0);
- No. 1 Alarm Transmission and Fault Warning Routing Equipment integrated in the Main/CPU board (PCB code IN223-R2), using TCP-IP protocol and Local Area Network;
- No. 1 Optional Alarm Transmission and Fault Warning Routing Equipment board model PREVIDIA-C-DIAL (PCB code IN237-R0), using PSTN and GSM network;
- No. 1 Electrical Automatic Control and Delay Device is integrated in the Main/CPU board (PCB code IN223-R2) and Input/output board (PCB code IN224-R1);
- No. 1 Switching Power Unit trademark Inim Electronics, model IPS24060G (PCB code IN124-R4), rated 27.6 V- / 2.1 A; No. 2 Allocable batteries rated 12 V – 7 Ah.

The product may also be provided with the following external devices:

- Repeater model PREVIDIA-C-REPEW (PCB code IN223-R2), white enclosure;
- Repeater model PREVIDIA-C-REPER(PCB code IN223-R2), red enclosure.

Technical Characteristics

Number of zone: 1000 software zones;

- Number of detectors and/or manual call points: 480 on 2 loop line (240 each);
- Hardware identification of the microcontroller (U1) used on the Main/CPU board: NXP Semiconductor, LPC1788FBD208;
- Firmware identification of the microcontroller (U1) used on the Main/CPU board: 1.00;
- Hardware identification of the microcontroller (U3) used on the alarm transmission and fault warning routing equipment board: NXP Semiconductor, MK22FN512VLL12;
- Firmware identification of the microcontroller (U3) used on the alarm transmission and fault warning routing equipment board: 1.00.

List of optional functions with requirements (EN 54-2)

7.8 Output to fire alarm device
7.9 Output to fire alarm routing equipment
7.10 Output to fire protection equipment
7.11 Delay to outputs
7.12 Co-incidence detection Type A – B – C
7.13 Alarm counter
8.3 Fault signals from points
8.9 Output to fault warning routing equipment
9.5 Disablement of addressable points
10 Test condition

List of optional functions with requirements (EN 12094-1)

4.17 Delay of extinguishing signal
4.18 Signal representing the flow of extinguishing agent
4.19 Monitoring of the status of components
4.20 Emergency hold device (*)
4.21 Control of flooding time
4.23 Manual only mode
4.24 Triggering signals to equipment within the system
4.26 Triggering of equipment outside the system
4.27 Emergency abort device (*)
4.30 Activation of alarm devices with different signals
(*) Emergency hold device or alternatively Emergency abort device

Derived models	Description
PREVIDIA-C200SZER	As model **PREVIDIA-C200SZEG**, red enclosure
PREVIDIA-C200SZG	As model **PREVIDIA-C200SZEG**, without Electrical Automatic Control and Delay Device
PREVIDIA-C200SZR	As model PREVIDIA-C200SZEG, without Electrical Automatic Control and Delay Device; red enclosure
PREVIDIA-C200SG	As model **PREVIDIA-C200SZEG**, without Electrical Automatic Control and Delay Device and without Zone LED board (PCB code IN238-R0)
PREVIDIA-C200SR	As model **PREVIDIA-C200SZEG**, without Electrical Automatic Control and Delay Device and without Zone LED board (PCB code IN238-R0); red enclosure
PREVIDIA-C100SZEG	As model **PREVIDIA-C200SZEG**, with 1 loop line (240 detectors and/or manual call points managed)
PREVIDIA-C100SZER	As model **PREVIDIA-C200SZEG**, with 1 loop line (240 detectors and/or manual call points managed); red enclosure
PREVIDIA-C100SZG	As model **PREVIDIA-C200SZEG**, with 1 loop line (240 detectors and/or manual call points managed) and without Electrical Automatic Control and Delay Device
PREVIDIA-C100SZR	As model **PREVIDIA-C200SZEG**, with 1 loop line (240 detectors and/or manual call points managed) and without Electrical Automatic Control and Delay Device; red enclosure
PREVIDIA-C100SG	As model **PREVIDIA-C200SZEG**, with 1 loop line (240 detectors and/or manual call points managed) and without Electrical Automatic Control and Delay Device and without Zone LED board (PCB code IN238-R0)
PREVIDIA-C100SR	As model **PREVIDIA-C200SZEG**, with 1 loop line (240 detectors and/or manual call points managed) and without Electrical Automatic Control and Delay Device and without Zone LED board (PCB code IN238-R0); red enclosure
PREVIDIA-C050SZEG	As model **PREVIDIA-C200SZEG**, with 1 loop line (64 detectors and/or manual call points managed)
PREVIDIA-C050SZER	As model **PREVIDIA-C200SZEG**, with 1 loop line (64 detectors and/or manual call points managed); red enclosure

Derived models	Description
PREVIDIA-C050SZG	As model **PREVIDIA-C200SZEG**, with 1 loop line (64 detectors and/or manual call points managed) and without Electrical Automatic Control and Delay Device
PREVIDIA-C050SZR	As model **PREVIDIA-C200SZEG**, with 1 loop line (64 detectors and/or manual call points managed) and without Electrical Automatic Control and Delay Device; red enclosure
PREVIDIA-C050SG	As model **PREVIDIA-C200SZEG**, with 1 loop line (64 detectors and/or manual call points managed) and without Electrical Automatic Control and Delay Device and without Zone LED board (PCB code IN238-R0)
PREVIDIA-C050SR	As model **PREVIDIA-C200SZEG**, with 1 loop line (64 detectors and/or manual call points managed) and without Electrical Automatic Control and Delay Device and without Zone LED board (PCB code IN238-R0); red enclosure
The control and indicating equipment without Electrical Automatic Control and Delay Device management the following external devices, optional: - Repeater (PCB code IN223-R2) model PREVIDIA-C-REPW, identical to the model PREVIDIA-C-REPEW without the management of Electrical Automatic Control and Delay Device; - Repeater (PCB code IN223-R2) model PREVIDIA-C-REPR, identical to the model PREVIDIA-C-REPER without the management of Electrical Automatic Control and Delay Device.	