CERTIFICATE OF CONSTANCY OF PERFORMANCE

0051–CPR–1498

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)

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

Other information: **see ANNEX**

Produced by:
INIM ELECTRONICS S.r.l.
Via Dei Lavoratori, 10 – 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 cancels and replaces the certificate having the same number and issued on 2020-05-19 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, 2021-11-19

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-C200LZEX**

Configuration:

The product consists of a metallic enclosure (dimensions: 497 x 380 x 97 mm) with IP30 degree of protection, incorporating:

- No. 1 Main/CPU board (PCB code IN223 or IN357 as alternative);
- No. 1 Input/output board (PCB code IN224 or IN354 as alternative) with 2 loop line, 4 Input/output circuits and 1 output circuit;
- No. 1 Zone LED board (PCB code IN238);
- No. 1 Serial and IP module interface model PREVIDIA-C-COM (PCB code IN270), optional;
- No. 1 Alarm Transmission and Fault Warning Routing Equipment integrated in the Main/CPU board (PCB code IN223 or IN357 as alternative), 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), using PSTN and GSM network;
- No. 1 Electrical Automatic Control and Delay Device integrated in the Main/CPU board (PCB code IN223 or IN357 as alternative) and Input/output board (PCB code IN224 or IN354 as alternative);
- No. 1 Switching Power Unit trademark Inim Electronics, model IPS24160G (PCB code IN137), rated 27.6 V- / 5.2 A;
- No. 2 Allocable batteries rated 12 V – 17 Ah.

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

- Repeater model PREVIDIA-C-REPEX (PCB code IN223 or IN357 as alternative).

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-C200LZX	As model **PREVIDIA-C200LZEX** without Electrical Automatic Control and Delay Device
PREVIDIA-C200LX	As model **PREVIDIA-C200LZEX** without Electrical Automatic Control and Delay Device and without Zone LED board (PCB code IN238)
PREVIDIA-C100LX	As model **PREVIDIA-C200LZEX** with 1 loop line (240 detectors and/or manual call points managed) and without Electrical Automatic Control and Delay Device and Zone LED board (PCB code IN238)
PREVIDIA-C050LX	As model **PREVIDIA-C200LZEX** with 1 loop line (64 detectors and/or manual call points managed) and without Electrical Automatic Control and Delay Device and Zone LED board (PCB code IN238)
The control and indicating equipment without Electrical Automatic Control and Delay Device management the following external device (optional): - Repeater (PCB code IN223 or IN357 as alternative) model **PREVIDIA-C-REPX**, identical to the model **PREVIDIA-C-REPEX** without the management of Electrical Automatic Control and Delay Device.	

The letter "X" means the colour of the enclosure and:

- For the Control and Indicating Equipment can be assume
  - "G" as grey
  - "R" as red
  - "D" as dark grey
- For the Repeater can be assume
  - "W" as white
  - "R" as red