CERTIFICATE OF CONSTANCY OF PERFORMANCE

0051–CPR–1863

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, ELECTRICAL AUTOMATIC CONTROL AND DELAY DEVICE

Trademark: **INIM ELECTRONICS**
Models: **PREVIDIA216 ; PREVIDA216R**

Other information: **see ANNEX**

Produced by:
INIM ELECTRONICS S.r.l.
Via Dei Lavoratori 10 – Frazione Centobuchi
63076 Monteprandone (AP), Italy

In the manufacturing plant:
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 2020-02-04 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

DocuSigned

Milan, 2020-02-04

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

0051–CPR–1863

Model **PREVIDIA216**

Configuration:

The product consists of a grey metallic enclosure type PRCAB (dimensions: 433 x 563 x 187 mm) with IP30 degree of protection. Internally it is fitted with the following main parts fully configurable in multiple enclosures:

- CPU module type FPMCPU (PCB code IN136-R2);
- Loop module type IFM2L (PCB code IN132-R2), with 2 loops line;
- Outputs module type IFM4R (PCB code IN151-R1), with 4 relays;
- Inputs/outputs module type IFM4IO (PCB code IN152-R1), with 4 input/output circuits;
- Inputs/outputs module type IFM16IO (PCB code IN155-R1), with 16 input/output circuits;
- Alarm transmission and fault warning routing equipment module type IFMDIAL (PCB code IN153-R1), using PSTN and GSM network;
- LAN module type IFMLAN (PCB code IN175-R1);
- LED module type FPMLED (PCB code IN149-R0);
- Electrical automatic control and delay device type IFMEXT (PCB code IN184-R0);
- LED and printer module type FPMLEDPRN (PCB code IN149-R0);
- LED module type FPMEXT (PCB code IN149-R0) for electrical automatic control and delay device;
- Module for Hornet network connection type IFMNET (PCB code IN150-R1);
- Switching Power Unit trademark INIM ELECTRONICS, model IFM24160 (PCB code IN144-R2), rated 27.6 V – 5.2 A; No. 2 Allocable batteries rated 12 V – 18 Ah and/or 12 V – 24 Ah.

The CPU module type FPMCPU may be assembled in REPEATER configuration.

Technical Characteristics

- Number of detectors and/or manual call points: 3840 on 16 loop line (240 each);
- Hardware identification of the microcontroller (U1) used on the CPU module: NXP Semiconductor, LPC1788FBD208;
- Firmware identification of the microcontroller (U1) used on the CPU module: 1.00;
- Hardware identification of the microcontroller (U4) used on the alarm transmission and fault warning routing equipment module: RENESAS, R5F5631MDDFM;
- Firmware identification of the microcontroller (U4) used on the alarm transmission and fault warning routing equipment module: 1.00;
- Hardware identification of the microcontroller (U2) used on the electrical automatic control and delay Device: RENESAS, R5F5631MDDFM;
- Firmware identification of the microcontroller (U2) used on the electrical automatic control and delay Device: 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 Dependencies on more than one alarm signal 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
4.22 Initiation of secondary flooding
4.24 Triggering signals to equipment within the system
4.26 Triggering of equipment outside the system
4.27 Emergency abort device
4.28 Control of extended discharge
4.29 Release of the extinguishing media for selected flooding zones
4.30 Activation of alarm devices with different signals

Model **PREVIDIA216R**

Configuration:

As model **PREVIDIA216,** with red enclosure type PRCABR.

Notes:

1. The Electrical Automatic Control and Delay Device is approved to EN 12094-1 for more than 1 flooding zone when 2 CPU modules type FPMCPU are used;
2. The Control and Indicating Equipment is also approved when connected with FPMCPU module in REPEATER configuration.