CERTIFICATE OF CONSTANCY OF PERFORMANCE

0051–CPR–2741

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

Product:	**CONTROL AND INDICATING EQUIPMENT WITH INTEGRATED:** **- POWER SUPPLY EQUIPMENT,** **- ALARM TRANSMISSION AND FAULT WARNING ROUTING EQUIPMENT,** **- ELECTRICAL AUTOMATIC CONTROL AND DELAY DEVICE,** **- VOICE ALARM CONTROL AND INDICATING EQUIPMENT**
Models:	**PREVIDIA-ULTRAVOX; PREVIDIA-ULTRAVOXR; PREVIDIA-ULTRAVOXD**
Trademark:	**INIM**
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 54-16:2008; 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**

ISSUED ON 01/09/2022

REVISION 0

B.U. PRODUCT CONFORMITY ASSESSMENT
CPR TECHNICAL DIRECTOR
(ENG. VALBERTO BAGGIO) DocuSign

This certificate was first issued on 01/09/2022 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 products, and the manufacturing conditions in the plant are not modified significantly.

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**.This certificate is subjected to the Regulation of Assessment and Verification of Constancy of Performance of the Construction Products as Notified Body, according to Regulation (EU) no. 305/2011 and Legislative Decree n.106/ 2017 (REG. ON / CPR)

Mod. 0727CPR-ENG/3

ACCREDIA L'ENTE ITALIANO DI ACCREDITAMENTO
PRD N° 005 B

ANNEX

0051–CPR–2741

Model **PREVIDIA-ULTRAVOX**
Configuration:
The equipment consists of one standard grey metal enclosure (dimensions: 675 x 430 x 250 mm) with IP30 degree of protection. Internally they are fitted with the following main parts fully configurable in multiple enclosures, extendable up to 4 adjacent one above the other:

- No. 1 CPU module type FPMCPU with integrated alphanumeric touch LCD;
- No. 1 CPU module type FPAMIAS with integrated alphanumeric touch LCD;
- No. 1 Voice Alarm Control and Indicating module type IFAMEVAC;
- No. 2 Amplifier module type IFAMAMP rated 250 W / 40 Ω (with PU type IFAMPSU) or 80 W / 125 Ω (with PU type IFM24160), up to 30 maximum;
- No. 1 Local Audio module type IAS-ADAPT1000;
- No. 1 Loop module type IFM2L, with 2 loop lines, up to 8 maximum for equipment;
- No. 1 Outputs module type IFM4R, with 4 relays, up to 16 maximum for equipment;
- No. 1 Inputs/outputs module type IFM4IO, with 4 input/output circuits, up to 16 maximum for equipment;
- No. 1 Inputs/outputs module type IFM16IO, with 16 input/output circuits, up to 4 maximum for equipment;
- No. 1 Alarm transmission and fault warning routing equipment module type IFMDIAL, using PSTN and GSM/GPRS network, up to 1 maximum for equipment;
- No. 1 LAN module type IFMLAN, using TCP-IP protocol and Local Area, up to 1 maximum for equipment;
- No. 1 Local microphone type IPG-PTT;
- No. 1 Electrical automatic control and delay device type IFMEXT, up to 24 maximum for equipment;
- No. 1 LED and printer module type FPMLEDPRN, up to 1 maximum for equipment;
- No. 1 LED module type FPMEXT for electrical automatic control and delay device, up to 5 maximum for equipment
- No. 1 LED module type FPMLED, up to 7 maximum for equipment;
- No. 1 Module for hornet network connection type IFMNET, up to 1 maximum for equipment;
- No. 1 Module for audio network connection type IFAMIDANET, up to 1 maximum for equipment;
- No. 1 CANDRIVE+ board;
- No. 1 Switching Power Unit trademark INIM, type IFAMPSU composed of the control board and the switching power supply trademark MEAN WELL type PSPA-1000-24, rated 27.6 V – 32 A or 38 A with No. 2 Allocable batteries rated 12 V – 38 Ah or 24 Ah or 17 Ah, or
- No. 1 Switching Power Unit trademark INIM, type IFM24160, rated 27.6 V – 5.2 A with No. 2 Allocable batteries rated 12 V – 24 Ah or 17 Ah.

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The equipment is also provided with the following external devices:
- Emergency microphone base trademark INIM, type IPGE06;
- Emergency microphone base trademark INIM, type IPGE18;
- Stem microphone type IPG-GOOSENECK.

Models **PREVIDIA-ULTRAVOXR and PREVIDIA-ULTRAVOXD**
Configuration:
As model PREVIDIA-ULTRAVOX but with a different color of the enclosure.
- "R": Red;
- "D": Dark Grey.

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 type FPMCPU: NXP, LPC1788FBD208;
- Firmware identification of the microcontroller (U1) used on the CPU module type FPMCPU: 1.00;
- Hardware identification of the microcontroller (U1) used on the CPU module type FPAMIAS: NXP, LPC1788FBD208;
- Firmware identification of the microcontroller (U1) used on the CPU module type FPAMIAS: 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

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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

List of optional functions with requirements (EN 54-16)
7.3 Audible warning
7.5 Phased evacuation
7.6.2 Manual silencing of the voice alarm condition
7.7.2 Manual reset of the voice alarm condition
7.8 Output to fire alarm devices
7.9 Voice alarm condition output
8.3 Indication of faults related to the transmission path to the CIE
8.4 Indication of faults related to voice alarm zones
9 Disablement condition
10 Voice alarm manual control
12 Emergency microphone(s)
13.14 Redundant power amplifiers

Note:
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.

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ACCREDIA
PRD N° 005 B
Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements