



# CERTIFICATE OF CONSTANCY OF PERFORMANCE

## 0051 – CPR – 1901

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

### VOICE ALARM CONTROL AND INDICATING EQUIPMENT WITH INTEGRATED POWER SUPPLY EQUIPMENT

Trademark: **PROEL**  
Model: **AE 604**

Other information: **see ANNEX**

Produced by:  
**PROEL S.p.A.**  
Via Alla Ruenia 37/43  
64027 Sant'Omero (TE), Italy

In the manufacturing plant(s):  
**PI.V0008I**

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 54-16:2008**  
**EN 54-4:1997 + A1:2002 + A2:2006**

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 2020-07-03 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.

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ING. V. BAGGIO  
CPR TECHNICAL DIRECTOR

Milan, 2022-01-21

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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#### Configuration:

The product consists in a metal cabinet (dimensions: 465 x 770 x 230 mm) with IP30 degree of protection, incorporating:

- No. 1 Main/CPU board type AE604CPU (PCB code AE604CPU Rev. A) + AE604MMU (PCB code AE604MMU Rev. A);
- No. 2 Amplifier type AE604PWA (PCB code AE604PWA Rev. A);
- No. 1 Switching Power Unit trademark PROEL, model AE604PSU (PCB code AE604PSU Rev. A), rated 55 V- / 7 A; No. 4 Allocable batteries rated 12 V – 18 Ah.
- No. 1 User interface board type AE604USI (PCB code AE604USI Rev. A);
- No. 1 Microphone trademark PROEL, model MG3D;
- No. 1 Speaker (code AS06608PS-2-R), rated 8 ohm, 0.5 W.

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

- Microphone trademark PROEL, model PA DBE01 (PCB code XEM01MB Rev. A + TOP101 Rev. C);
- Microphone trademark PROEL, model PA DBE06 (PCB code XEM01MB Rev. A + TOP106 Rev. A);
- Microphone trademark PROEL, model PA DBEVF (PCB code XEM01MB Rev. A).

#### Technical Characteristics

- Number of zone: 1 Group of 4 zones no-distinct;
- Hardware identification of the microcontroller (U5) used on the Main/CPU board type AE604CPU: NXP, LPC1788FBD208;
- Firmware identification of the microcontroller (U5) used on the Main/CPU board type AE604CPU: 1.00

#### List of optional functions with requirements (EN 54-16)

- 7.6.2 Manual silencing of the voice alarm condition
- 7.9 Voice alarm condition output
- 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