# CERTIFICATE OF CONSTANCY OF PERFORMANCE

# 0051–CPR–2035

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

**SOUNDERS AND VISUAL ALARM DEVICE WITH SHORT-CIRCUIT ISOLATOR INTEGRATED**

Trademark: **INIM**
Models: **ESB1021, ES1021, ES2021xE**

Other information: **See ANNEX**

Produced by:
**INIM ELECTRONICS SRL**
**VIA DEI LAVORATORI, 10 - FRAZ. CENTOBUCHI**
**63076 MONTEPRANDONE (AP)**

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 54-3:2001 + A1:2002 + A2:2006**
**EN54-17:2005**
**EN54-23:2010**

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 2020-05-13 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, 2021-12-21

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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Destination of use: Type A (for internal use)

Ceiling sounder:

Model ESB1021 Addressable base sounder beacon with short-circuit isolators
Model ES1021 Addressable ceiling sounder beacon with short-circuit isolators

Wall sounder:

Model ES2021xE Addressable wall sounder beacon with short-circuit isolators.

Tone patterns in compliance with EN 54-3:

| | |
|---|---|
| Tone 2: ISO 8201 1000Hz | 1000Hz, (0.5sec ON / 0.5sec OFF) x3 / 1sec OFF |
| Tone 4: NEN2575 2000 | (500Hz ÷ 1200Hz) x 3.5sec / 0.5sec OFF |
| Tone 5: SIN 1000 Hz | Continuous |
| Tone 7: Fast whoop (AS1670) | (500Hz ÷ 1200Hz) x 0.5sec / 0.5sec OFF |
| Tone 10: 800-1 KHz | (800Hz ÷ 1000Hz) x 1sec |
| Tone 12: AS 1670 Alert | 420Hz, 0.625sec ON / 0.625sec OFF |
| Tone 13: AS 1670 Evacuation | (500Hz ÷ 1200Hz) x 0.5sec / 0.5sec OFF) x3 / 1.5sec OFF |
| Tone 14: DIN 33 040 | (1200Hz ÷ 500Hz) x 1sec |

Coverage characteristics for:

**ESB1021 ; ES1021**

C-3-8 O-3.3-8 High level configuration
C-3-7 O-3-7 Low level configuration

**ES2021xE;**

W-3.5-7 O-3.5-8-7 High level configuration
W-3-6.5 O-3-8-6.5 Low level configuration

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Hardware identification: STM8L151
Software version: 1.00

List of optional function with requirements:

Synchronization according to paragraph 4.3.7 of EN 54-23.