



# CERTIFICATE OF CONSTANCY OF PERFORMANCE

## 0051 – CPR – 1728

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

### SOUNDER AND VISUAL ALARM DEVICE USING RADIO LINKS

Trademark: **ARGUS SECURITY**  
Model: **TW-BSB-23R-01 ; TW-BSB-23W-01**

Other information: **see ANNEX**

Produced by:  
**ARGUS SECURITY S.r.l.**  
Via Del Canneto 14 – Valle delle Noghere  
34015 Muggia (TS)

In the manufacturing plant(s):  
**PI.L000BW**

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**  
**EN 54-23:2010**  
**EN 54-25:2008 + AC:2012**

under system **1** are applied and that **the product fulfills all the prescribed requirements set out above.**

This certificate was first issued on 2019-07-10 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, 2019-07-10

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–1728

### TW-BSB-23W-01

#### Configuration

The sounder and visual alarm device consists of a plastic enclosure (dimensions: 129 (d) x 55 (h) mm) with IP21C degree of protection, containing:

- No. 1 Main board (PCB code B40-TWBSX-0002);
- No. 1 Piezoelectric buzzer (trademark Kingstate, model KBIG5010N08028AZ);
- No. 3 White LED (trademark CREE, model XTEAWT-00-0000-00000BKE3);
- No. 2 Battery allocable (CR123A Lithium, 3 V – 1.25Ah).

#### Technical Characteristics

- Tone patterns in compliance with EN 54-3:
  - Warble Tone: 800 Hz for 500 ms then 1000 Hz for 500 ms;
  - Continuous tone: 970 Hz continuous;
  - Slow Whoop (Dutch): 500-1200 Hz for 3500 ms, then off for 500 ms;
  - German DIN tone: 1200-500Hz swept every 1000 ms (1Hz);
- Coverage characteristics:
  - C3-15 (high power);
  - C3-10 (low power);
  - O4.6-15 (high power);
- Flash rate: 0.5 Hz;
- Destination for use: Type A (for internal);
- Operating frequency band: 868 MHz ; 916 MHz;
- Hardware identification of the microcontroller (U4 and U5) used on the main board:
  - Texas Instruments, MSP430G2433 (U4);
  - STMicroelectronics, STM32L051K86 (U5);
- Firmware identification of the microcontroller (U4 and U5) used on the main board:
  - 1\_0\_1 (U4) ; 0\_1\_14 (U5), using the 868 MHz frequency band;
  - 1\_0\_1 (U4) ; 0\_1\_14 (U5), using the 916 MHz frequency band.

#### List of optional functions with requirements (EN 54-23)

##### 4.3.7 Synchronization

## TW-BSB-23R-01

### Configuration

The sounder and visual alarm device consists of a plastic enclosure (dimensions: 129 (d) x 55 (h) mm) with IP21C degree of protection, containing:

- No. 1 Main board (PCB code B40-TWBSX-0002);
- No. 1 Piezoelectric buzzer (trademark Kingstate, model KBIG5010N08028AZ);
- No. 3 Red LED (trademark CREE, model XPEBRD-L1-0000-00901);
- No. 2 Battery allocable (CR123A Lithium, 3 V – 1.25Ah).

### Technical Characteristics

- Tone patterns in compliance with EN 54-3:
  - Warble Tone: 800 Hz for 500ms then 1000 Hz for 500 ms;
  - Continuous tone: 970 Hz continuous;
  - Slow Whoop (Dutch): 500-1200 Hz for 3500 ms, then off for 500 ms;
  - German DIN tone: 1200-500Hz swept every 1000ms (1Hz);
- Coverage characteristics:
  - C3-10 (high power);
  - O1.7-6.0 (low power);
- Flash rate: 0.5 Hz;
- Destination for use: Type A (for internal);
- Operating frequency band: 868 MHz ; 916 MHz;
- Hardware identification of the microcontroller (U4 and U5) used on the main board:
  - Texas Instruments, MSP430G2433 (U4);
  - STMicroelectronics, STM32L051K86 (U5);
- Firmware identification of the microcontroller (U4 and U5) used on the main board:
  - 1\_0\_1 (U4) ; 0\_1\_14 (U5), using the 868 MHz frequency band;
  - 1\_0\_1 (U4) ; 0\_1\_14 (U5), using the 916 MHz frequency band.

### List of optional functions with requirements (EN 54-23)

#### 4.3.7 Synchronization