



CERTIFICATE OF CONSTANCY OF PERFORMANCE

0051-CPR-2640

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: **SOUNDER AND VISUAL ALARM DEVICE USING RADIO LINKS**
Model: **AXIS-TSVMBRF; AXIS-TSVMB**
Trade mark: **ADVANCED**
Other information: **see ANNEX**

Produced by:
ADVANCED ELECTRONICS Ltd
The Bridges, Balliol Business Park,
Newcastle-upon-Tyne. NE12 8EW (UK)

in the manufacturing plant:
PI.R0002C

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**

ISSUED ON 25/02/2022

REVISION 0

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

This certificate was first issued on 25-02-2022 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)

ANNEX

0051 – CPR – 2640

Axis-TSVMBRF

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.

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

4.3.7 Synchronization

Axis-TSVMB

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

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