

**CERTIFICATE OF CONSTANCY OF PERFORMANCE**

Issued by DBI Certification-UK, approved body No. 8504.

In compliance with UK STATUTORY INSTRUMENT 2020 No. 1359 Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020, this certificate applies to the construction product

**AI-BSB-23W-01, AI-BSB-23R-01, AC-BSB-23W-01,  
AC-BSB-23R-01, VC-BSB-23W-01, VC-BSB-23R-01**

The product fulfils the essential characteristic:

**See Annex 1**

Intended use:

Applications related to automatic fire alarm systems

Placed on the market under the name or trade mark of:

**Argus Security S.r.l.  
Via del Canneto 14  
IT-34015 Muggia (Trieste)**

and produced in the manufacturing plant:

**UKCPA10005**

Authorized Representative:

**Halma UK DS LTD  
Misbourne Court, Rectory Way  
Amersham, Bucks HP7 0DE  
United Kingdom**

This attests that all provisions concerning the performance described in Annex ZA of the standard(s)

**EN 54-3:2001+A1:2002+A2:2006 : Fire detection and fire alarm systems — Part 3: Fire alarm devices — Sounders**

**EN 54-23:2010 : Fire detection and fire alarm systems — Part 23: Fire alarm devices — Visual alarm devices**

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

**CONSTANCY OF PERFORMANCE OF THE CONSTRUCTION PRODUCT.**

This certificate was first issued on 2022-06-29 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

The attached annexes form part of this certificate.

Date of issue: **2022-06-29.**



Merete Poulsen  
Responsible for evaluation



Steen Nilsson  
Responsible for certification decision

**DBI Certification-UK Ltd.**

Unit 1 & 2, Northcot Park, Station Road, Blockley, Gloucestershire GL56 9LH  
E-mail: info@dbicertification.co.uk · www.dbicertification.co.uk



No. 23333

## Annex 1

## EXTENT

**Product description:**

AI-BSB-23W-01 Sounder and Visual Alarm Device  
 AI-BSB-23R-01 Sounder and Visual Alarm Device  
 AC-BSB-23W-01 Sounder and Visual Alarm Device  
 AC-BSB-23R-01 Sounder and Visual Alarm Device  
 VC-BSB-23W-01 Sounder and Visual Alarm Device  
 VC-BSB-23R-01 Sounder and Visual Alarm Device

**General characteristics**

Destination of use: Type a (indoor use)  
 Degrees of protection: IP21C

**Tone patterns in compliance with EN 54-3**

Tone 1: Warble Tone – 800-1000 Hz, 1 Hz  
 Tone 2: Continuous Tone – 970 Hz  
 Tone 3: Slow Whoop (NL) – 500-1200 Hz for 3.5 s ON 0.5 s OFF  
 Tone 4: German DIN tone – 1200-500 Hz, 1Hz  
 Tone 6: Alternative Warble – 800 Hz for 250 ms, then 960 Hz for 250 ms

**Technical characteristic**

- Main board (PCB code No. SBN01-00A);
- Hardware Identification (U1): trademark TI type MSP430G2433IPW28;
- Firmware Identifications (U1): 1.3.3;
- Piezo trademark KAILITECH type KD-50B-29EW80;
- Coverage characteristics
  - o AC-BSB-23W-01; VC-BSB-23W-01; AI-BSB-23W-01  
C3 – 15.2 (high power); C3 – 9.2 (low power); O – 4.5 – 15.2
  - o AC-BSB-23R-01; VC-BSB-23R-01; AI-BSB-23R-01  
C3 – 10 (high power); C3 – 1.7 – 6 (low power)
- Flash rate 0.5 Hz;
- White Led (AC-BSB-23W-01; VC-BSB-23W-01; AI-BSB-23W-01)
- Red Led (AC-BSB-23R-01; VC-BSB-23R-01; AI-BSB-23R-01)
- Clear Lens

**List of optional functions with requirements (EN 54-3)**

4.3.7 Synchronization.

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Performance			
Essential characteristics	Clauses in EN 54-3:2001+A1:2002+A2:2006	Performance	
Performance under fire conditions	4.2, 4.3, 5.2, 5.3	Pass	
Operational reliability	4.4, 4.5, 4.6, 5.4	Pass	
Durability of operational reliability and response delay; temperature resistance	5.5, 5.6, 5.7, 5.8, 5.9	Pass	
Durability of operational reliability; humidity resistance	5.8, 5.9	Pass	
Durability of operational reliability; corrosion resistance	5.11	Pass	
Durability of operational reliability; vibration resistance	5.12 to 5.15	Pass	
Durability of operational reliability; electrical stability	5.16	Pass	
Durability of operational reliability; resistance to ingress	5.17	Pass	
5.6 and 5.10 applies only to outdoor sounders or outdoor voice sounders.			
5.16 applies only to sounders or voice sounders with active electronic components			
Essential characteristics	Clauses in EN 54-23:2010	Level(s) or class(es)	Notes
Operational reliability: Duration of operation Flammability of materials Enclosure protection Access Manufacturer's adjustments Requirements for software controlled devices	4.2.1 4.2.3 4.2.4 4.2.5 4.2.6 4.2.8		Pass Pass Pass Pass Pass Pass
Performance parameters under fire condition: Coverage volume Variation of light output Minimum and maximum light intensity Light colour Light temporal pattern and frequency of flashing Marking and data Synchronization (option with requirements)	4.3.1 4.3.2 4.3.3 4.3.4 4.3.5 4.3.6 4.3.7		Pass Pass Pass White Pass/ 0,5 Hz Pass Pass
Durability: Temperature resistance: Dry heat (operational) Cold (operational) Humidity resistance: Damp heat, cyclic (operational) Damp heat, steady state (endurance) Shock and vibration resistance: Shock (operational) Impact (operational) Vibration (operational) Vibration (endurance) Corrosion resistance: SO2 corrosion (endurance) Electrical stability: EMC, immunity (operational)	4.4.1.1 4.4.1.3 4.4.2.1 4.4.2.2 4.4.3.1 4.4.3.2 4.4.3.3 4.4.3.4 4.4.4 4.4.5	None	Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass

Annex 2

TEST DOCUMENTATION

Test documentation can be found in case no. UKCSP10096-001.

Annex 3

TECHNICAL BASIS

File Number	Title	Date
BOM-AXBSB-0001 (AI,AC,VC-BSB-23W,R-01)	INTELLIGENT BASE SOUNDER BEACON WITH ALTAIR BASE (WHITE LED) (AI-BSB-23W-01) and variants:	2022-03-25, Rev. K
	INTELLIGENT BASE SOUNDER BEACON WITH ALTAIR BASE (RED LED) (AI-BSB-23R-01)	
	SLAVE BASE SOUNDER BEACON WITH ALTAIR BASE (WHITE LED) (AC-BSB-23W-01)	
	SLAVE BASE SOUNDER BEACON WITH ALTAIR BASE (RED LED) (AC-BSB-23R-01)	
	SLAVE BASE SOUNDER BEACON WITH VEGA BASE (WHITE LED) (VC-BSB-23W-01)	
	SLAVE BASE SOUNDER BEACON WITH VEGA BASE (WHITE LED) (VC-BSB-23R-01) - Bill of Material	

