

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

SGWS-MOD + CWS100-AV, SGWS-MOD + CWS100-AV(W)

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
34015 Muggia (Trieste)
Italy**

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**
- EN 54-25:2008** : **Fire detection and fire alarm systems — Part 25: Components using radio links**

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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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: **2023-06-28**.

(This certificate supersedes the previous version of this certificate issued 2022-12-19)



Merete Poulsen
Responsible for evaluation



Chris Ellis
Responsible for certification decision

DBI Certification-UK Ltd.

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**Annex 1
EXTENT**

Product description:

SGWS-MOD + CWS100-AV Visual and Sounder Fire Alarm Device using Radio Links
 SGWS-MOD + CWS100-AV(W) Visual and Sounder Fire Alarm Device using Radio Links

General characteristics:

Destination of use: Type B (for external)
 Degrees of protection: IP33C

EN 54-3 Certified tones:

Tone 1: Warble Tone. 800 Hz for 500ms then 1000Hz for 500 ms
 Tone 2: Continuous Tone. 970 Hz continuous tone
 Tone 3: Slow Whoop (Dutch). 500-1200Hz for 3500 ms, then off for 500 ms
 Tone 4: German DIN tone. 1200-500 Hz swept every 1000 ms (1Hz)

Technical characteristic wireless base:

- Main board Pcb n. B40-ISWSM-0002
- Battery 2 x CR123A Lithium 3 V 1.25Ah
- Hardware Identifications: ST, STM32L051R8T6
- CRC-32 Identifications: 629839F6 (hex)

Technical characteristic Visual and Sounder alarm device:

- Main board Pcb n. B20-CWS1X-1002
- Coverage characteristics W-2.5-7
- Flash rate 0.5 Hz
- White Led
- Clear Lens

List of optional functions with requirements

4.3.7 Synchronization

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, 5.10	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

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No. 23333

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	None	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 / 0.5Hz Pass Pass
Durability: Temperature resistance: Dry heat (operational) Dry heat (endurance) Cold (operational) Humidity resistance: Damp heat, cyclic (operational) Damp heat, steady state (endurance) Damp heat, cyclic (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 4.4.1.2 4.4.1.3 4.4.2.1 4.4.2.2 4.4.2.3 4.4.3.1 4.4.3.2 4.4.3.3 4.4.3.4 4.4.4 4.4.5		Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass

Essential characteristics	Clauses in EN 54-25:2008	Performance
Performance parameters under fire conditions	4.1, 4.2.2, 5.2, 8.3.7	Pass
Response delay (response time to fire)	8.2.3, 8.2.6	Pass
Operational reliability	4.2.1, 4.2.3 to 4.2.7, 5.3, 5.4, 6, 7, 8.2.2, 8.2.4, 8.2.5, 8.2.7, 8.2.8, 8.2.9, 8.3.1, 8.3.2, 8.3.3, 8.3.4, 8.3.5, 8.3.6	Pass
Durability of operational reliability and response delay; temperature resistance	8.3.9, 8.3.10, 8.3.11	Pass
Durability of operational reliability; vibration resistance	8.3.16, 8.3.17 to 8.3.19	Pass
Durability of operational reliability; humidity resistance	8.3.12, 8.3.14	Pass
Durability of operational reliability; corrosion resistance	8.3.15	Pass
Durability of operational reliability; electrical stability	8.3.20	Pass

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Annex 2

TEST DOCUMENTATION

Test documentation can be found in case no. UKCSP10094-001 and UKCSP10094-002.

Annex 3

TECHNICAL BASIS

File Number	Title	Date
BOM-SGWSM-0002 (SGWS-MOD)	Sagittarius Wall Sounder Module (SGWS-MOD) 868, 865 & 434 MHz Variants - Bill of Material	2021-10-08, Rev. O
BOM-CWS1X-1002 (CWS100-AV)	CONVENTIONAL WALL SOUNDER BEACON (CWS100-AV) & WHITE VERSION CWS100-AV(W) - Bill of Material	2022-03-25, Rev. Q