

**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

**HFWSIM-01+HFC-WSR-03**

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:

**Hyfire Wireless Fire Solutions Ltd  
Unit B12a Holly Farm Business Park  
Honiley, Warwickshire, CV81NP  
United Kingdom**

and produced in the manufacturing plant:

**UKCPA10005**

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 54-25:2008 : 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 2022-08-10 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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: **2022-08-10**.



Merete Poulsen  
Responsible for evaluation



Steen Nilsson  
Responsible for certification decision

Annex 1

EXTENT

**Product description:**

HFW-SIM-01+HFC-WSR-03 Sounders 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, STM32L051R8
- Firmware Identifications: 1.4
- CRC-32 Identifications: 629839F6 (hex)

**Technical characteristic Sounder alarm device:**

- Main board Pcb n. B20-CWS1X-0002

**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		

**DBI Certification-UK Ltd.**

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No. 23333

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

**Annex 2**

**TEST DOCUMENTATION**

Test documentation can be found in case no. UKCSP10095-001.

**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-0002 (CWS100)	CONVENTIONAL WALL SOUNDER (CWS100) & WHITE VERSION (CWS100(W)) - Bill of Material	2022-03-25, Rev. T

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