

**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

**TAU-MO-SB-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:

**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 54-18:2005** : **Fire detection and fire alarm systems — Part 18: Input/output devices**

**EN 54-25:2008+AC:2012** : **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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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:**

TAU-MO-SB-01 Output Device using Radio Links

**Configuration**

The output device model TAU-MO-SB-01 consists of a plastic enclosure (dimensions: 136 x 96 x 57 mm) with IP30 degree of protection, containing:

- No. 1 Main board (PCB code B40-TWMI0-0003)
- No. 2 Battery allocable (CR123A Lithium, 3 V – 1.25Ah)

**Technical Characteristics**

Operating frequency band: 868 MHz ; 916 MHz

Hardware identification of the microcontroller (U2) used on the main board:

- STMicroelectronics, STM32L051R8

Firmware identification of the microcontroller (U2) used on the main board:

- 0\_1\_15, using the 868 MHz frequency band
- 0\_1\_16, using the 916 MHz frequency band

**Performance**

Essential characteristics	Clauses in EN 54-18:2005	Performance
Response delay (response time)	5.2 <sup>1)</sup>	Pass
Performance under fire conditions	5.1.4	Pass
Operational reliability	5.1.4	Pass
Durability of operational reliability; temperature resistance	5.3, 5.4	Pass
Durability of operational reliability; vibration resistance	5.8 to 5.11	Pass
Durability of operational reliability; humidity resistance	5.5, 5.6	Pass
Durability of operational reliability; corrosion resistance	5.7	Pass
Durability of operational reliability; electrical stability	5.2, 5.12	Pass
1) Response delays may not be a function of the input/output device, in which case no assessment is made as part of this standard		

Essential characteristics	Clauses in EN 54-25:2008+AC:2012	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, 8.3.13, 8.3.14	Pass
Durability of operational reliability; corrosion resistance	8.3.15	Pass
Durability of operational reliability; electrical stability	8.3.20	Pass

**DBI Certification-UK Ltd.**

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No. 23333

**Annex 2**  
**TEST DOCUMENTATION**

Test documentation can be found in case no. UKCSP10089-001.

**TECHNICAL BASIS**

File Number	Title	Date
BOM-TWMOS-0005	TAURUS WIRELESS MODULE OUTPUT SUPERVISED BATTERIZED (TW-MO-SB-01) - 868 / 916 MHz VARIANTS - Bill of Material	2022-03-25, Rev. C

