

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

HFI-IO-422-01

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 54-17:2005 : **Fire detection and fire alarm systems — Part 17: Short circuit isolators**

EN 54-18:2005 : **Fire detection and fire alarm systems — Part 18: Input/output 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 2022-08-10 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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: HFI-IO-422-01 Input/Output Device and Short-Circuit Isolator		
Performance		
Essential characteristics	Clauses in EN 54-17:2005	Performance
Performance under fire conditions	5.2 ¹⁾	Pass
Operational reliability	4	Pass
Durability of operational reliability; temperature resistance	5.4, 5.5	Pass
Durability of operational reliability; vibration resistance	5.9 to 5.12	Pass
Durability of operational reliability; humidity resistance	5.6, 5.7	Pass
Durability of operational reliability; corrosion resistance	5.8	Pass
Durability of operational reliability; electrical stability	5.3, 5.13	Pass
1) This is assuming that the effect of the fire is to cause a short circuit in the transmission path that is protected by these devices		
Essential characteristics	Clauses in EN 54-18:2005	Performance
Response delay (response time)	5.2 ¹⁾	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		

Annex 2

TEST DOCUMENTATION

Test documentation can be found in case no. UKCSP10098-001.

TECHNICAL BASIS

File Number	Title	Date
BOM-VM422-0003 (VMIC422)	Vega Multimodule - Standard Box version 4 Input 2 Relay Output 2 Supervised Output Module (VMIC422) - Bill of Material	2022-03-25, Rev. E

DBI Certification-UK Ltd.

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