

CERTIFICATE OF CONSTANCY OF PERFORMANCE

Issued by DBI Certification, notified body No. 2531.

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

HS2SA-5, WS2SA-5, HM2SA-5W, HM2SA-5

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:

**Shenzhen Heiman Technology co., Ltd.
101, No.4 Dafu Industrial Park
Kukeng Community, Guanlan Street
Longhua District Shenzhen, Guandong
China**

and produced in the manufacturing plant:

CPA10060

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

EN 14604:2005/AC:2008 : **Smoke 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 2022-06-30 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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: **2022-06-30**.



Merete Poulsen
Responsible for evaluation



Steen Nilsson
Responsible for certification decision

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DBI Certification A/S

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Annex 1

EXTENT

Product description: HM2SA-5W, HS2SA-5, WS2SA-5, HM2SA-5

Product is based on the HM2SA-5. All other xxxxx-5 series products are differentiated by the radio link module.

WS2SA-5: WiFi 2.4G+BT, with APP function

HS2SA-5: ZigBee, with APP function

HS2SA-5W: RF 433MHz with interconnection, no APP function

HM2SA-5: No radio link function, no APP function

Modes of operations:

Normal power source:	Internal to the device by lithium battery of 1 x DC3V WS2SA-5: 5 years HS2SA-5: 7 years HM2SA-5W: 10 years HM2SA-5: 10 years	
	HCB CR17335(CR123A) DC3V 1500mAh	
Type of mouting:	Wall, Ceiling	
Radio Link:	WS2SA-5: WiFi 2.4G+BT HS2SA-5: ZigBee HS2SA-5W: RF 433MHz with interconnection, Max. 40pcs interconnected HM2SA-5: No radio link function	
Options with requirements:	Individual alarm indicator:	Yes
	Connection of external ancillary device:	No
	Inter-connectable smoke alarm device:	Yes, HS2SA-5W
	Alarm silence facility:	Yes
	Smoke alarm device for leisure accommodation vehicles:	No

Performance:

Essential characteristics	Clauses in EN 14604:2005+AC:2008	Performance
Nominal activation conditions/Sensitivity, Response delay (response time) and Performance under fire condition	4.12, 4.18, 5.2, 5.3, 5.4, 5.5, 5.6, 5.15, 5.17, 5.18, 5.19, 5.20	Pass
Operational reliability	4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.13, 4.14, 4.15, 4.16, 4.17, 4.19, 5.11, 5.16, 5.22, 5.23, 5.24	Pass
Tolerance to supply voltage	5.21	Pass
Durability of operational reliability and response delay, temperature resistance	5.7, 5.8	Pass
Durability of operational reliability, vibration resistance	5.12, 5.13	Pass
Durability of operational reliability humidity resistance	5.9	Pass
Durability of operational reliability, corrosion resistance	5.10	Pass
Durability of operational reliability, electrical stability	5.14	Pass

The products covered by this standard are assumed to operate, in an event of fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.

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Annex 2

TEST DOCUMENTATION

Accredited Laboratory	Report no.	Date
SGS-CSTC	GZES220300365801	2022.06.09
	GZEM220300145101	2022.06.08
	GZES220601256801	2022.06.01

TECHNICAL BASIS

File Number	Title	Date
BOM of products	WS2SA-5, V1.0	2021.09.14
	HS2SA-5, V1.0	2021.09.14
	HM2SA-5, V1.0	2021.12.04
	HM2SA-5W, V1.0	2021.12.04

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