

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

**JKD-513COM, JKD-513COM-R, JKD-513COM-Z, JKD-514COM, JKD-514COM-R,
JKD-514COM-W, JKD-515COM, JKD-515COM-R**

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 Jikaida Technology Co., Ltd.
Building 7, ChuangYe Industrial Park, ShaPuWei Community, Songgang Street,
Bao'an District, Shen Zhen, China**

and produced in the manufacturing plant:

CPA10068

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 2024-03-25 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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: **2024-03-25**.



Merete Poulsen
Responsible for evaluation



Chris Ellis
Responsible for certification decision

Annex 1

EXTENT

Type:
Smoke and Carbon Monoxide Alarm (only approved and certified for the smoke alarm function).
Models: JKD-513COM, JKD-513COM-R, JKD-513COM-Z, JKD-514COM, JKD-514COM-R, JKD-514COM-W, JKD-515COM, JKD-515COM-R

Product specification

Type of sensor	Photoelectric
Normal power source	For JKD-513 & 514 series: DC 2*1,5V Exnall LR6 2800 mAh replaceable alkaline batteries. For JKD-515 series: 2pcs DC 3V Exnall CR123A 1700 mAh unreplaceable lithium batteries.
Battery services life	3 years for JKD-513 & 514 series, 10 years for JKD-515 series.
Mounting Method	Ceiling or wall mounted.
Radio Link function	JKD-513COM-R, JKD-514COM-R, JKD-515COM-R: RF module. JKD-514COM-W: 2.4G Wi-Fi module. JKD-513COM-Z: Zigbee module.
Options with requirements	Individual Alarm indicator: yes. Connection of external ancillary devices: No. Inter-connectable smoke alarm device: For all models with RF module. Alarm silence facility: Yes. Smoke alarm device for leisure accommodation vehicles: No.
Function description	With silence function. This silence feature is only to be used when a known alarm condition, such as smoke from cooking, which activates the alarm.
Dimensions	Ø105*39mm.
Software version	V1.2.5.

Not equipped with:

Mains-on indicator
Connection of external ancillary device
User replaceable components
Standby power source
Back-up power source
Terminals for external conductors

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, relevant for type.
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.		

Annex 2

TEST DOCUMENTATION

Accredited Laboratory	Report no.	Date
SGS	CZEM230900473101	2024-02-21
SGS	GZES230601132601	2024-02-24
SGS	GZES230601132631	2024-02-24

TECHNICAL BASIS

File Number	Title	
JKD-513COM	BOM	2023-05-09
JKD-513COM-R	BOM	2023-05-09
JKD-513COM-Z	BOM	2023-05-09
JKD-514COM	BOM	2023-05-09
JKD-514COM-R	BOM	2023-05-09
JKD-514COM-W	BOM	2023-05-09
JKD-515COM	BOM	2023-05-09
JKD-515COM-R	BOM	2023-05-09