LGAI Technological Center, S.A. (APPLUS)
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CERTIFICATE OF CONSTANCY OF PERFORMANCE

LGAI Technological Center, S.A. (APPLUS)
Notified Body Nr. 0370

No. 0370-CPR-7255

In compliance with Regulation (EU) Nr.305/2011 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:

FIRE DETECTION AND FIRE ALARM SYSTEMS:

- FIRE ALARM DEVICES – ACOUSTIC DEVICES
- HEAT DETECTORS. POINT HEAT DETECTORS
- SMOKE DETECTORS. POINT SMOKE DETECTORS THAT OPERATE USING SCATTERED LIGHT, TRANSMITTED LIGHT OR IONIZATION.
- SHORT-CIRCUIT ISOLATORS

MODELS: **KE-DP3121W-SN** BRAND: **KIDDE COMMERCIAL**

Placed on the market under the name of:

CARRIER FIRE & SECURITY B.V.

KELVINSTRAAT, 7
6003 DH WEERT (THE NETHERLANDS)

And produced in the manufacturing plant:

DONGGUAN FYRNETICS CO., LTD.

NO. 1 RONGWEN ROAD, CHANGAN DONGGUAN, GUANGDONG, CHINA, 523842

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards:

EN 54-3:2001, EN 54-3:2001/A1:2002, EN 54-3:2001/A2:2006; EN 54-5:2017+A1:2018; EN 54-7:2018; EN 54-17:2005, EN 54-17:2005/AC:2007

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 27th December 2024 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. It is modified on 28th February 2025.

The monitoring assessment will be done before 30th November 2025

Bellaterra, 28th February 2025

Applus LGAI Technological Center, S.A.

Xavier Ruiz Peña
Managing Director, Product Conformity B.U.

This document is not valid without its technical annex; whose number coincides with that of the certificate.

You can check the validity of this certificate on our website: www.appluslaboratories.com/certified_products

The manufacturer, after the completion of the conformity assessment procedures and the declaration of performance, may affix the CE Marking under his responsibility

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Annexes according to **EN 54-3:2001, EN 54-3:2001/A1:2002, EN 54-3:2001/A2:2006**

FIRE DETECTION AND FIRE ALARM SYSTEM. PART 3: FIRE ALARM DEVICES – ACOUSTIC DEVICES

ESSENTIAL CHARACTERISTICS	CLAUSES IN THIS EUROPEAN STANDARD	MANDATED LEVEL(S) OR CLASS(ES)
Sound level	4.2	PASS
Frequency and sound pattern	4.3	PASS
Durability	4.4	PASS
Construction	4.5	PASS
Marking and data	4.6	PASS
Reproducibility	5.2	PASS
Operational performance	5.3	PASS
Durability	5.4	PASS
Dry heat (operational)	5.5	PASS
Dry heat (endurance)	5.6	NA
Cold (operational)	5.7	PASS
Damp heat, cyclic (operational)	5.8	NA
Damp heat, steady state (endurance)	5.9	PASS
Damp heat, cyclic (endurance)	5.10	NA
Sulfur dioxide (SO2) corrosion (endurance)	5.11	PASS
Shock (operational)	5.12	PASS
Impact (operational)	5.13	PASS
Vibration, sinusoidal (operational)	5.14	PASS
Vibration, sinusoidal (endurance)	5.15	PASS
Electromagnetic compatibility (EMC), immunity (operational)	5.16	PASS
Enclosure protection	5.17	PASS

PASS; NPD = No Performance Determined, NA = Not Apply

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Annexes according to **EN 54-5:2017+A1:2018**

FIRE DETECTION AND FIRE ALARM SYSTEM. PART 5: HEAT DETECTORS. POINT DETECTORS

ESSENTIAL CHARACTERISTICS	CLAUSES IN THIS EUROPEAN STANDARD	MANDATED LEVEL(S) OR CLASS(ES)
Heat Response Categories	4.1.1	PASS A2R and A2S
Position of heat sensitive element	4.2.1	PASS
Individual alarm indication	4.2.2	PASS
Connection of ancillary devices	4.2.3	NA
Monitoring of detachable detectors	4.2.4	PASS
Manufacturer's adjustments	4.2.5	NA
On-site adjustment of response behaviour	4.2.6	PASS
Software controlled detector(when provided)	4.2.7	PASS
Directional dependence	4.3.1	PASS
Static response temperature	4.3.2	PASS
Response times from typical application temperature	4.3.3	PASS
Response times from 25 °C	4.3.4	NA
Response times from high ambient temperature	4.3.5	PASS
Reproducibility	4.3.6	PASS
Additional test for suffix S detectors	4.4.1	PASS
Additional test for suffix R detectors	4.4.2	PASS
Variation in supply parameters	4.5.1	PASS
Cold (operational)	4.6.1.1	PASS
Dry heat (endurance)	4.6.1.2	NA
Damp heat, cyclic (operational)	4.6.2.1	PASS
Damp heat, steady state (endurance)	4.6.2.2	PASS
Sulfur dioxide (SO2) corrosion (endurance)	4.6.3	PASS
Shock (operational)	4.6.4.1	PASS
Impact (operational)	4.6.4.2	PASS
Vibration, sinusoidal (operational)	4.6.4.3	PASS
Vibration, sinusoidal (endurance)	4.6.4.4	PASS
EMC, immunity (operational)	4.6.5	PASS

PASS; NPD = No Performance Determined, NA = Not Apply

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Annexes according to **EN 54-7:2018**

FIRE DETECTION AND FIRE ALARM SYSTEM. PART 7: SMOKE DETECTORS: POINT DETECTORS USING SCATTERED LIGHT, TRANSMITTED LIGHT OR IONIZATION.

ESSENTIAL CHARACTERISTICS	CLAUSES IN THIS EUROPEAN STANDARD	MANDATED LEVEL(S) OR CLASS(ES)
Individual alarm indication	4.2.1	PASS
Connection of ancillary devices	4.2.2	NA
Monitoring of detachable detectors	4.2.3	PASS
Manufacturer's adjustments	4.2.4	NA
On-site adjustment of response behavior	4.2.5	NA
Protection against the ingress of foreign bodies	4.2.6	PASS
Response to slowly developing fires	4.2.7	PASS
Software controlled detector(when provided)	4.2.8	PASS
Repeatability	4.3.1	PASS
Directional dependence	4.3.2	PASS
Reproducibility	4.3.3	PASS
Air movement	4.4.1	PASS
Dazzling	4.4.2	PASS
Variation in supply parameters	4.5	PASS
Fire sensitivity	4.6	PASS
Cold (operational)	4.7.1.1	PASS
Dry heat (operational)	4.7.1.2	PASS
Damp heat, steady state (operational)	4.7.2.1	PASS
Damp heat, steady state (endurance)	4.7.2.2	PASS
Sulfur dioxide (SO2) corrosion (endurance)	4.7.3	PASS
Shock (operational)	4.7.4.1	PASS
Impact (operational)	4.7.4.2	PASS
Vibration, sinusoidal (operational)	4.7.4.3	PASS
Vibration, sinusoidal (endurance)	4.7.4.4	PASS
Electromagnetic compatibility (EMC), immunity (operational)	4.7.5	PASS

PASS; NPD = No Performance Determined, NA = Not Apply

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Annexes according to **EN 54-17:2005, EN 54-17:2005/AC:2007**

FIRE DETECTION AND FIRE ALARM SYSTEM. PART 17: SHORT-CIRCUIT ISOLATORS.

ESSENTIAL CHARACTERISTICS	CLAUSES IN THIS EUROPEAN STANDARD	MANDATED LEVEL(S) OR CLASS(ES)
Compliance	4.1	PASS
Integral status indication	4.2	PASS
Connection of ancillary devices	4.3	NA
Monitoring of detachable short-circuit isolators	4.4	PASS
Manufacturer's adjustments	4.5	NA
On-site adjustments	4.6	NA
Marking	4.7	PASS
Data	4.8	PASS
Additional requirements for software controlled short-circuit isolators	4.9	PASS
Reproducibility	5.2	PASS
Variation in supply voltage	5.3	PASS
Dry heat (operational)	5.4	PASS
Cold (operational)	5.5	PASS
Damp heat, cyclic (operational)	5.6	PASS
Damp heat, steady state (endurance)	5.7	PASS
Sulphur dioxide (SO2) corrosion (endurance)	5.8	PASS
Shock (operational)	5.9	PASS
Impact (operational)	5.10	PASS
Vibration, sinusoidal (operational)	5.11	PASS
Vibration, sinusoidal (endurance)	5.12	PASS
Electromagnetic Compatibility (EMC), Immunity tests (operational)	5.13	PASS

PASS; NPD = Non Performance Determined, NA = Not Apply

DESCRIPTION	
KE-DP3121W-SN	Intelligent Addressable Point Detector w/ ISO - Dual Optical/Heat Visual Alarm Device (White plastic color)

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ACCESSORIES	
Commercial code	Description
KE-DB3010W	Intelligent Addressable Detector Standard mounting base (white)
KE-DB3010B	Intelligent Addressable Detector Standard mounting base (black)
KE-DBA-RECW	Recess accessory for standard mounting base (white)
KE-DBA-IPW	Intelligent Addressable Detector IP mounting base (white)
KE-DBA-SKTW	Trim skirt accessory for standard mounting base (white)
KE-DBA-AUXW	Deep accessory for standard mounting base (white)
KE-DBA-ADPW-ZIT	Intelligent Addressable Base Accessory – Ziton Adapter Base (White)
KE-DBA-ADPW-KIL	Intelligent Addressable Base Accessory – Kilsen Adapter Base (White)
AI673	Remote indicator for bases

Certified tones:

Tone	Frequency [Hz]	Pattern	Volume settings
#1	970 Hz	Continuous tone	2. Standard SPL 3. High SPL 4. Highest SPL
#2	800 Hz / 970 Hz	Square signal (UK Fire)	
#3	800 Hz – 970 Hz	Sawtooth signal (UK Fire)	
#4	970 Hz 1s OFF / 1s ON	Discontinuous tone	
#6	554 Hz 0,1s / 440 Hz 0,4s	Square signal (NF S32-001)	
#7	500 – 1200 Hz 3,5s / 0,5s OFF	Discontinuous sawtooth signal (AS 1670)	
#10	550 Hz / 440 Hz	Square signal (Swedish)	
#13	1200 Hz – 500 Hz	Sawtooth signal (DIN 33 404)	
#21	660 Hz 0,15s ON / 0,15s OFF	Discontinuous tone (Swedish)	

Only Standard smoke sensitivity approved

Heat sensitivities: A2R and A2S