

CERTIFICATE OF CONSTANCY OF PERFORMANCE

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

No.

0370-CPR-3809

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:

- HEAT DETECTORS. POINT HEAT DETECTORS
- SMOKE DETECTORS. POINT DETECTORS USING SCATTERED LIGHT, TRANSMITTED LIGHT OR IONIZATION.

REFERENCE: **JBE-2115** - ADDRESSABLE COMBO DETECTOR

Placed on the market under the name of:

JADE BIRD FIRE ALARM INTERNATIONAL (EUROPE), S.L.

C/ DE TARRAGONA, 157 7º
08014 BARCELONA (SPAIN)

And produced in the manufacturing plant:

22/32308809

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

EN 54-5:2017+A1:2018; EN 54-7:2018

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 17th February 2020 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 confirmed on 13th January 2023.

The monitoring assessment will be done before 28th February 2024

Bellaterra, 13th January 2023




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 into our website at: 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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Annex according to **EN 54-5:2017+A1:2018**

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

Essential characteristics	Clauses in this European standard	Mandated level(s) or class(es)
Heat Response Categories	4.1.1	Category A2
Position of heat sensitive element	4.2.1	PASS
Individual alarm indication	4.2.2	PASS
Connection of ancillary devices	4.2.3	PASS
Monitoring of detachable point heat detectors	4.2.4	PASS
Manufacturing adjustments	4.2.5	PASS
On site adjustment of response behaviour	4.2.6	NA
Software controlled detector	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	PASS
Response times from high ambient temperature	4.3.5	PASS
Reproducibility	4.3.6	PASS
Additional test for suffix S point heat detectors	4.4.1	NA
Additional test for suffix R point heat detectors	4.4.2	NA
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 (SO ₂) 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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Annex according to **EN 54-7:2018**

FIRE DETECTION AND FIRE ALARM SYSTEMS. 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	PASS
Monitoring of detachable detectors	4.2.3	PASS
Manufacturer's adjustments	4.2.4	PASS
On site adjustment of response behaviour	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	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 (SO ₂) 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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ACCESORIES	
JBE-2160	Detector Base with Two Terminals
JBE-2165	Detector Base with Four Terminals plus Screen Continuity Terminal

SENSITIVITY LEVELS		
Profile	Sensitivity smoke	Sensitivity heat
1	Muy alta	EN 54-5 A2
2	EN 54-7	EN 54-5 A2
3	EN 54-7	Very low
4	EN 54-7	0 (no heat alarm)
5	Very low	EN 54-5 A2
6	0 (no smoke alarm)	EN 54-5 A2