

CERTIFICATE OF CONSTANCY OF PERFORMANCE

LGAI Technological Center, S.A. (APPLUS)

Notified Body Nr. 0370

No.

0370-CPR-6413

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 DETECTORS.**

MODEL: **JBE-2107** (CONVENTIONAL HEAT DETECTOR WITH INDICATOR)

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

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 5th August 2022 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 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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Annex according to **EN 54-5:2017+A1:2018**

FIRE DETECTION AND FIRE ALARM SYSTEMS. 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	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	NA
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	PASS – Category A2S (Static)
Additional test for suffix R point heat detectors	4.4.2	PASS – Category A2R (Rate of rise)
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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ACCESSORIES	
JBE-2160	Detector Base with Two Terminals
JBE-2165	Detector Base with Four Terminals plus Screen Continuity Terminal

SENSITIVITY LEVELS	
Profile 1	EN 54-5 category A2R (Rate of rise)
Profile 2	EN 54-5 category A2
Profile 3	EN 54-5 category A2S (Static)