LGAI Technological Center, S.A. (APPLUS)
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CERTIFICATE

Notified Body No. 0370

No. 0370-CPR-1700

CERTIFICATE OF CONSTANCY OF PERFORMANCE

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:

FIRE DETECTION AND FIRE ALARM SYSTEMS.

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

ADRESSABLE COMBINATION SMOKE AND HEAT DETECTOR.
TRADEMARK: **ZITON ZP732-2P**

Place on the market under the name of:

CARRIER FIRE & SECURITY B.V.

KELVINSTRAAT, 7
6003 DH WEERT (NETHERLANDS)

And produced in the manufacturing plant:

CARRIER SAFETY SYSTEM (HEBEI) CO., LTD.

No. 80 CHANGJIANG EAST ROAD, QETDZ, QINHUANGDAO, HEBEI, CHINA 066004

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

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

under system 1 are applied and that **the product fulfils all the prescribed requirements set out above.**

This certificate was first issued on 28th March 2014 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly. It is confirmed and modified on 1st October 2021.

The monitoring assessment will be done before 31st July 2022

Bellaterra, 1st October 2021

Applus
LGAI Technological Center, S.A.

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

ENAC CERTIFICACIÓN Nº 12/C-PR054

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

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

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0370-CPR-1700

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.	A1
Position of heat sensitive elements	4.1.2.	PASS
Individual alarm indication	4.2.2.	PASS
Connection of ancillary devices	4.2.3.	PASS
Monitoring of detachable detectors	4.2.4.	PASS
Manufacturer's adjustments	4.2.5.	PASS
On-site adjustment of response behaviour	4.2.6.	PASS
Software controlled detector (when provided)	4.2.7.	NA
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 tests for suffix S detectors	4.4.1.	NA
Additional tests for suffix R 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
Sulphur 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
Electromagnetic compatibility (EMC), immunity tests (operational)	4.6.5.	PASS

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

Standard mounting base:
ZP7-SB1 (Ziton)

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0370-CPR-1700

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.	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.	PASS
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.	NA
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 tests (operational)	4.7.5.	PASS

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