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Notified body Nº 0370

ENAC CERTIFICACIÓN Nº OC-P/009

CERTIFICATE

No. 0370-CPR-2316

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:

- **PART 5:** HEAT DETECTORS. POINT DETECTORS.

MODEL: **DD502** (ADDRESSABLE) **& DK231** (CONVENTIONAL)

Produced by:

KOD ELEKTRONIK GÜVENLIK SISTEMLERI SAN. VE TIC. LTD. STI.
PERPA TICARET MERKEZI B BLOK KAT: 11 No. 1937
ISTANBUL (TURKEY)

And produced in the manufacturing plant:

KOD ELEKTRONIK GÜVENLIK SISTEMLERI SAN. VE TIC. LTD. STI.
MAHMUT BEY MAHALLESI AYBARS SOKAK No:15/Z1
GÜNEŞLİ ISTANBUL TURKEY

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

EN 54-5: 2000, EN 54-5: 2000/A1: 2002

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

This certificate was first issued on 11th March 2016 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.

The monitoring assessment will be done before March 2017

Bellaterra, 11th March 2016

LGAI Technological Center, S.A.

Jordi Brufau Redondo
General Manager

LGAI Technological Center, S.A.

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

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

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Applus laboratories

Technical Annex Ed.1
11/03/2016

TECHNICAL ANNEX 0370-CPR-2316

CERTIFICATE OF CONSTANCY OF PERFORMANCE

Annexes according to **EN 54-5: 2000, EN 54-5: 2000/A1: 2002**

ESSENTIAL CHARACTERISTICS	CLAUSES IN THIS EUROPEAN STANDARD	MANDATED LEVEL(S) OR CLASS(ES)
Classification	4.2	A1
Position of heat sensitive elements	4.3	PASS
Individual alarm indication	4.4	PASS
Connection of ancillary devices	4.5	PASS
Monitoring of detachable detectors	4.6	PASS
Manufacturer's adjustments	4.7	PASS
On-site adjustment of response behaviour	4.8	PASS
Marking	4.9	PASS
Data	4.10	PASS
Additional requirements for software controlled detectors	4.11	PASS
Directional dependence	5.2	PASS
Static response temperature	5.3	PASS
Response times from typical application temperature	5.4	PASS
Response times from 25 °C	5.5	NA
Response times from high ambient temperature (dry heat operational)	5.6	PASS
Variation in supply parameters	5.7	PASS
Reproducibility	5.8	PASS
Cold (operational)	5.9	PASS
Dry heat (endurance)	5.10	NA
Damp heat, cyclic (operational)	5.11	PASS
Damp heat, steady state (endurance)	5.12	PASS
Sulfur dioxide (SO2) corrosion (endurance)	5.13	PASS
Shock (operational)	5.14	PASS
Impact (operational)	5.15	PASS
Vibration, sinusoidal (operational)	5.16	PASS

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

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ESSENTIAL CHARACTERISTICS	CLAUSES IN THIS EUROPEAN STANDARD	MANDATED LEVEL(S) OR CLASS(ES)
Vibration, sinusoidal (endurance)	5.17	PASS
Electromagnetic compatibility (EMC), immunity tests (operational)	5.18	PASS
Test for suffix S detectors	6.1	NA
Test for suffix R detectors	6.2	NA

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

Accessories:
- Socket/Base DD-T

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