

Constancy of Performance Certificate

LGAI Technological Center S.A. (APPLUS), Notified Body No. 0370, issues this certificate to:

APPLICANT

Placed on the market under the name of

Detnov Security, S.L.

C/ De La Ciència, 30
08840 Viladecans (Barcelona) Spain

Produced in the manufacturing plant

C/ De La Ciència, 30
08840 Viladecans (Barcelona) Spain

PRODUCT

Fire detection and fire alarm system

- ☐ Smoke detectors. Point detectors using scattered light, transmitted light or ionization
- ☐ Short-circuit isolators

Model:

DOD-220A-I (Addressable optical smoke detector with short circuit isolator)

APPLICABLE REGULATION

Construction Product Regulation (CPR)

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

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

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 the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

No. 0370-CPR-1859

Date issued: 19/09/2025

First issue date: 14/11/2014

Follow-up date: before 30/09/2026

The validity of this certificate remains valid as long as the harmonised standard, the construction product, the EVCP methods and the manufacturing conditions at the plant are not significantly modified, unless suspended or withdrawn by the notified product certification body.

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



Xavier Ruiz Peña
Managing Director
Conformity Assessment

Arplus⁺

certification

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Notified Body No. 0370
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08193 Bellaterra, Barcelona (Spain)



Check the status
of this certificate

Certificate

Technical Annex

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

Annex 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 | NA |
| Manufacturer's adjustments | 4.5 | Pass |
| On-site adjustments | 4.6 | NA |
| Marking | 4.7 | Pass |
| Data | 4.8 | Pass |
| Additional requirements for software controlled short-circuit isolators | 4.9 | NA |
| 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 (SO ₂) 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 = No Performance Determined, NA = Not Apply