



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 systems.

- Input/Output devices
- Short-circuit isolators

Addressable input/output devices with short circuit isolator:

MAD-405-I (5 Inputs)	MAD-415-I (5 Outputs)	MAD-425-I (5 Inputs & 5 Outputs)
MAD-409-I (10 Inputs)	MAD-419-I (10 Outputs)	MAD-429-I (10 Inputs & 10 Outputs)

Accessories:

BOX-ONE (Installation box)	BOX-SIX (Installation box)
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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 standards:

EN 54-18:2005, EN 54-18:2005/AC:2007; 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
The manufacturer, after the completion of the conformity assessment procedures and the declaration of performance, may affix the CE Marking under his responsibility
Page 1 of 3

No. 0370-CPR-3151

Date issued: 19/09/2025

First issue date: 03/12/2018

Follow-up date: before 30/09/2026

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and the manufacturing conditions at the plant are not significantly modified, unless the certificate is suspended or withdrawn by the notified product certification body.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



LGAi Technological Center S.A. (APPLUS)
Notified Body No. 0370
Campus UAB. Ronda de la Font del Carme s/n
08193 Bellaterra, Barcelona (Spain)



Check the status
of this certificate

Certificate

Technical Annex

Annex according to EN 54-18:2005, EN 54-18:2005/AC:2007

Fire detection and fire alarm systems. Part 18: input/output devices

Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
Functional test	5.1.4.	Pass
Performance and variation in supply parameters	5.2	Pass
Dry heat (operational)	5.3	Pass
Cold (operational)	5.4	Pass
Damp heat, cyclic (operational)	5.5	Pass
Damp heat, steady state (endurance)	5.6	Pass
Sulphur dioxide (SO ₂) corrosion (endurance)	5.7	Pass
Shock (operational)	5.8	Pass
Impact (operational)	5.9	Pass
Vibration, sinusoidal (operational)	5.10	Pass
Vibration, sinusoidal (endurance)	5.11	Pass
Electromagnetic Compatibility (EMC) Immunity tests	5.12	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