



## 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

- Input/output devices.
- Short-circuit isolators

### Models:

MAD-442-I, MAD-441-I (Input/Output Addressable Modules (Conventional Zones Module) 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 54-18:2005, 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 product.

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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# No. 0370-CPR-1865

**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the EVCP methods and the manufacturing conditions at the plant are not significantly modified, unless suspended or withdrawn by the notified product certification body.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



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)
Heat response categories	4.1.1.	C
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 <sub>2</sub> ) 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 <sub>2</sub> ) 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