



Notified Body No. 0370

# CERTIFICATE



No. **0370-CPR-1863**

## 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 18:** INPUT/OUTPUT DEVICES
- **PART 17:** SHORT-CIRCUIT ISOLATORS

MODELS: **MAD-401-I, MAD-402-I, MAD-411-I, MAD-412-I, MAD-421-I, MAD-422-I** (INPUT/OUTPUT ADDRESSABLE MODULES WITH SHORT CIRCUIT ISOLATOR)

Place on the market under the name of:

## DETNOV SECURITY, S.L.

C/ DE LA CIÈNCIA, 30  
08840 VILADECANS BARCELONA - SPAIN)

And produced in the manufacturing plant:

C/ DE LA CIÈNCIA, 30  
08840 VILADECANS BARCELONA - SPAIN)

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 54-18:2005, EN 54-18:2005/AC:2007; EN 54-17:2005, EN 54-17:2005/AC:2007**

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

This certificate was first issued on 14<sup>th</sup> November 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 on 17<sup>th</sup> July 2020.

**The monitoring assessment will be done before 30<sup>th</sup> September 2021**

Bellaterra, 17<sup>th</sup> July 2020

  
Applus<sup>+</sup>  
LGAI Technological Center, S.A.

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

*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 into our website at: <https://apps.applus.com/microsites/microsites/FECIP/login>*



## 0370-CPR-1863

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

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 <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

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Annexes according to **EN 54-17:2005, EN 54-17:2005/AC:2007**

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