



Notified Body No. 0370



No. **0370-CPR-1181**

## 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

INPUT/OUTPUT MODULE OF THE ADDRESSABLE SYSTEM. MODELS:

- **MAD-422** (ADDRESSABLE MODULE WITH 2 LOGICAL INPUTS AND 2 POTENTIAL FREE RELAY OUTPUTS)
- **MAD-401** (1 TECHNICAL INPUT FOR POTENTIAL FREE CONTACT)
- **MAD-402** (2 TECHNICAL INPUTS FOR POTENTIAL FREE CONTACT)
- **MAD-411** (1 POTENTIAL FREE RELAY OUTPUT)
- **MAD-412** (2 POTENTIAL FREE RELAY OUTPUTS)
- **MAD-421** (1 TECHNICAL INPUT FOR POTENTIAL FREE CONTACT AND 1 POTENTIAL FREE RELAY OUTPUT)

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 standard

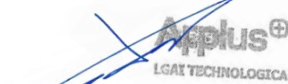
**EN 54-18:2005, EN 54-18:2005/AC:2007**

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

This certificate was first issued on 10<sup>th</sup> June 2011 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 modified on 10<sup>th</sup> December 2018.

**The monitoring assessment will be done before September 2019**

Bellaterra, 10<sup>th</sup> December 2018

  
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*

**TECHNICAL ANNEX 0370-CPR-1181****CERTIFICATE OF CONSTANCY OF PERFORMANCE**

Annex 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