



# LGAI

**Laboratori General d'Assaigs  
i Investigacions**

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Bellaterra : 13<sup>th</sup>, March 2000

File number : 20005616

Petitioner's reference : **OPENERS & CLOSERS**  
**C/. Cortit, 10**  
**08027 BARCELONA**

**Represented by: Mr. Ricard Martínez**

*This report is an english translation of the report number 96001603 performed in date 02.02.1996.*

### TEST REQUESTED

Technical report of presumption of compliance to the European Directive 89/336/CEE of Electromagnetic Compatibility (R.D. 444/94, 11-03-94).

### EQUIPMENT RECEIVED AND TESTED

Different models of electrical door-openers with the following features:

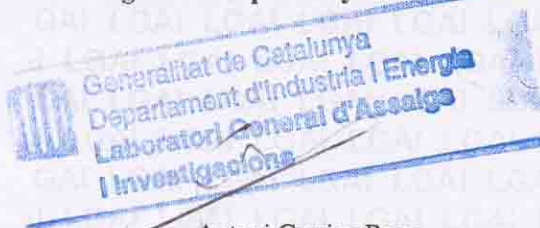
- Working mode with electromagnetic coil at 12Vac.

### RESULTS

Bearing in mind the following considerations:

- 1) The product is not directly connectable to the public low-voltage distribution system, but rather it works in a 12 Vac characteristic installation. So, the measurement standards of harmonics and flickers, EN 61000-3-2/3, are not applicable.
- 2) The applicable standard for radio electrical discontinued disturbances, EN 55014 (93), part 4.2.3, exempts this kind of product of testing.
- 3) The standard for electromagnetic immunity level measurement, EN 55104 (95), is only suitable in case the products contain electronic circuitry.

**We consider that, in interpretation of this laboratory, the noted products are presumably according to the European Directive of Electromagnetic Compatibility. 89/336/CEE**



Antoni Garriga Roca  
Manager of EMC Centre

The results refer only and exclusively to the sample, product or material delivered for testing in "Received Material" section above. The equipment has been tested under conditions stipulated by standard(s) quoted in this document.

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