

## Certificate of Constancy of performance

**0051 – CPR – 0426**

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

### **CONTROL AND INDICATING EQUIPMENT WITH INTEGRATED POWER SUPPLY EQUIPMENT**

Designation: **NF2000**

Trademark: **NITTAN**

Other information: see **ANNEX**

Produced by:

**NITTAN COMPANY, Ltd.**

**1-54-5 Sasazuka, Shibuya-Ku - Tokyo 151-8535 - JAPAN**

In the manufacturing plant:

**PI.0000V7**

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 54-2:1997 + A1:2006**

**EN 54-4:1997 + A1:2002 + A2:2006**

under system **1** are applied and that

**the product fulfills all the prescribed requirements set out above.**

This certificate was first issued on 2014-09-12 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonized 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.



**IMQ**

**CPR Technical Director  
(Ing. V. Baggio)**

Milano, 2014-09-12

This certificate was issued by IMQ S.p.A., a notified body according to Regulation 305/2011/EU.  
IMQ S.p.A. Identification Number is: 0051.

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## ANNEX

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The equipment is a control and indicating equipment type NF2000 intended to be used in fire detection and fire alarm systems

Configuration of control and indicating equipment model NF2000

The control and indicating equipment consists of a enclosure, IP30 degree of protection, containing:

- No. 1 CPU board;
- No. 1 Power supply trademark EL.MO., type AL2SW24 of 29 V – 2 A;
- No. 2 Allocable batteries of 12 V – 17 Ah;
- No. 1 Input/Output board type NFEXP10 (optional) (up to 5 maximum);
- No. 1 Output board type NFREL24 (optional);
- No. 1 Loop board type NFEXP20 (optional);
- No. 1 Extinction command board type EXTING (optional);
- No. 1 Alarm transmission and fault warning routing equipment board on GSM, type MDGSME (optional).

Control and Indicating Equipment is also provided of the following external device:

- Remote control panel type NFREPEATER (optional, up to 2 maximum).

Technical Characteristics

- Maximum number of zone:45 (without Loop board) o 53 (with Loop board);
- Maximum number of detectors and or manual call points: 512 (32 for each zone);
- Hardware identification of CPU board: NXP, LPC2378FBD144;
- Firmware identification of CPU board: V3.0.2

List of OPTIONAL FUNCTIONS WITH REQUIREMENTS

- 7.8 Output to fire alarm device;
- 7.11 Delay to outputs;
- 7.12 Co-incident detection – Type A, B and C;
- 8.3 Fault signals from points;
- 9.5 Disabling of addressable points;
- 10 Test condition.



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