



CERTIFICATE OF CONSTANCY OF PERFORMANCE

0051 – CPR – 1788

In compliance with Regulation (EU) No. 305/2011 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, ALARM TRANSMISSION AND FAULT WARNING ROUTING EQUIPMENT

Trademark: **FIRECLASS**
Models: **FC503 ; FC506**

Other information: **see ANNEX**

Produced by:
Tyco Fire & Security GmbH
Victor von Bruns-Strasse 21 – 8212 Neuhausen am Rheinfall,
Switzerland

In the manufacturing plant(s):
PI.T0005W

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(s)

EN 54-2:1997 + A1:2006
EN 54-4:1997 + A1:2002 + A2:2006
EN 54-21:2006

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

This certificate cancels and replaces the certificate having the same number and issued on 2019-09-11 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.

ING. V. BAGGIO
CPR TECHNICAL DIRECTOR

Milan, 2019-10-16

This Certificate was issued by IMQ S.p.A., a Notified Body according to Regulation (EU) No. 305/2011.
IMQ S.p.A. Identification Number is: 0051.

ANNEX

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Configuration:

The product consists in a metal cabinet and plastic door (dimensions: 430 x 493 x 127 mm) with IP30 degree of protection, incorporating:

- No. 1 Main/CPU board (PCB code 125.165.651-03);
- No. 1 Alarm Transmission and Fault Warning Routing Equipment board integrated on the Main/CPU board, using PSTN line;
- No. 1 Optional Alarm Transmission and Fault Warning Routing Equipment board model FC500IP (PCB code B082-R0), using TCP-IP protocol and Local Area Network;
- No. 1 Switching Power Unit trademark TYCO, model BAQ140T24 (PCB code BAQ-140T-R4VAI), rated 27.6 V- / 5.5 A. No. 2 allocable batteries rated 12 V – 12 Ah or 12 V – 17 Ah or 12 V – 38 Ah (with additional metallic enclosure of dimensions: 445 x 350 x 205 mm).

The product may also be provided with the following external devices:

- Repeater model FC500 (PCB code PCB 125.165.652-02), optional, up to 8 maximum).

Technical Characteristics

- Maximum number of software zones:
 - 128 (model FC503);
 - 256 (model FC506);
- Maximum number of detectors and/or manual call points:
 - 250 on 3 loop line (model FC503);
 - 500 on 6 loop line (model FC506);
- Hardware identification of the microcontroller (U9 and U501) used on the Main/CPU board: Microchip, PIC32MX575F512L (U9) and Renesas, R5F565NEDDFC (U501);
- Firmware identification of the microcontroller (U9 and U501) used on the Main/CPU board: 1.02 (U9) and 1.02 (U501).

List of optional functions with requirements (EN 54-2)

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