



CERTIFICATE OF CONSTANCY OF PERFORMANCE

0051 – CPR – 0239

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

Trademark: **ELKRON**
Model: **FAP544**

Other information: **see ANNEX**

Produced by:
URMET S.p.A.
Via Bologna 188/c
10154 Torino (TO)

In the manufacturing plant(s):
PI.K00003

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

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 2021-12-23 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, 2022-02-08

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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Control and indicating equipment intended to be used in fire detection and fire alarm systems.

Configuration

The control and indicating equipment consist of a metallic and plastic enclosure with IP30 degree of protection, containing:

- No. 1 CPU board;
- No. 1 Control and command board;
- No. 1 Charge battery board;
- No. 1 Connection board;
- No. 1 Loop board type FA128, up to 4;
Loop board type ML54FAP, in alternative, up to 4;
- No. 1 Graphic display module with color backlight;
- No. 1 Alarm Transmission and Fault Warning Routing Equipment board type LAN/TCP/IP500, optional;
- No. 1 Alarm Transmission and Fault Warning Routing Equipment board type IT500F, optional;
- No. 1 Interface board RS232/485 type RS232/485, optional;
- No. 1 Switching power supply trademark MEAN WELL type LRS-150F-24DI;
- No. 1 Auxiliary power supply board type SAL500, optional;
- No. 2 Allocable batteries rated 12 V – 12 Ah.

The Control and Indicating Equipment is also provided of the following external devices, optional:

- Remote Control Panel type FKP500;
- Input module for 4-20 mA detector type ITG500.

Technical Characteristics

- Number of zones: 1 ÷ 480 (1 ÷ 512 detectors and/or manual call points on 4 loop lines);
- Hardware identification of the microcontroller (U5 – CPU board):
NXP Semiconductor – LPC2468FBD208;
- Firmware identification of the microcontroller (U5 – CPU board): 0117_20.

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

- 7.8 Output to fire alarm device
- 7.9 Output to fire alarm routing equipment
- 7.11 Delay to outputs
- 7.12 Co-incidence detection Type C
- 8.3 Fault signals from points
- 8.9 Output to fault warning routing equipment
- 9.5 Disablement of addressable points
- 10 Test condition