CERTIFICATE OF CONSTANCY OF PERFORMANCE

0051–CPR–0177

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: **CDS**

Other information: **see ANNEX**

Feature

ELECTRICAL AUTOMATIC CONTROL AND DELAY DEVICE (optional)

Trademark: **ELKRON**
Model: **ESP CDS**

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
EN 12094-1:2003

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 2020-06-29 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, 2020-07-20

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

0051–CPR–0177

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 (PCB code CS7501-AC);
- No. 1 Control and command board (PCB code CS80SC61-004);
- No. 1 Charge battery board (PCB code CS80SC61-003A);
- No. 1 Loop board type FA128 (PCB code CS80SC33-002);
- No. 1 Led indicator board (PCB code CS7509-AA);
- No. 1 Alphanumeric display (code YMC404-13ABBYDCL);
- No. 1 Extinguish board type ESP CDS (PCB code CS80SC36-002A) up to 2 – optional;
- No. 1 Alarm Transmission and Fault Warning Routing Equipment board type LAN/TCP/IP500 (PCB code CS80IT15-001A) optional;
- No. 1 Interface board RS232/485 type RS232/485 (PCB code CS7508-AB) optional;
- No. 1 Switching power supply trademark MEAN WELL type LRS-150F-24DI;
- 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* (PCB code CS80KP52-001A);
- Input module for 4-20 mA detector type ITG500 (PCB code CS80IT18-001A).

(*) The Remote Control Panel type FKP500 with the c.i.e. type CDS is compliant only to the EN 54-2:1997+A1:2006 without the Extinguish board.

Technical Characteristics

- Number of zone: 1 ÷ 480 (1 ÷ 128 detectors and/or manuals call points on 1 loop line)
- Hardware identification of the microcontroller (U5 – CPU board): NXP Semiconductor – LPC2468FBD208;
- Firmware identification of the microcontroller (U5 – CPU board): 0139_14;
- Hardware identification of the microcontroller (U4 – extinguish board): MICROCHIP – ATMEGA324P-20AU;
- Firmware identification of the microcontroller (U4 – extinguish board): 0127_02.

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

List of optional functions with requirements (EN 12094-1)

4.17 Delay of extinguishing signal
4.18 Signal representing the flow of extinguishing agent
4.19 Monitoring of the status of components
4.20 Emergency hold device
4.21 Control of flooding time
4.24 Triggering signals to equipment within the system
4.30 Activation of alarm devices with different signals