Certificate of Constancy of performance

0051 – CPR – 0551

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

Model: **MINI-EXFIRE360**
Trademark: **SV SISTEMI DI SICUREZZA**
Further characteristics: **see ANNEX**

Feature

ELECTRICAL AUTOMATIC CONTROL AND DELAY DEVICE (optional)

Model: **EX6EV-C**
Trademark: **SV SISTEMI DI SICUREZZA**

Produced by:

SV SISTEMI DI SICUREZZA S.r.l.
Via Cortesi, 1
24020 Villa di Serio (BG)

In the manufacturing plant:

PI.M0009C

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
EN 12094-1:2003

under system **1** are applied and that

the products fulfill all the prescribed requirements set out above.

This certificate cancels and replaces the certificate having the same number and issued on 2017-04-26 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
(Eng. V. Baggio)

Milano, 2019-02-04

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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Rea MI 1595884 - Registro Imprese MI 12898410159 - C.F./P.I.: 12898410159 - Capitale sociale 4.000.000 euro.

ANNEX

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Control and indicating equipment of model **MINI-EXFIRE360** intended to be used in fire detection and fire alarm systems.

Configuration of control and indicating equipment model MINI-EXFIRE360

The control and indicating equipment consist of a metal enclosure (2000 mm x 600 mm x 400 mm), IP30 degree of protection, containing:

Power supply section:

- No. 2 Power supply trademark TDK-Lambda, type SWS600L-24 rated 24 V (No. 1 Power supply used for self-consumption of the control and indicating equipment, for external devices and charger battery; No. 1 Power supply used as a redundant power supply);
- No. 1 System battery controller board trademark SV SISTEMI DI SICUREZZA, type EXPSU20;
- No. 1 LED board type EXPSU20-LED;
- No. 1 Display touch screen type MODLCD, optional;
- No. 2 Allocable batteries rated 12 V – 55 Ah;

and fully configurable by following parts:

- Control panel type MASTERLCD;
- CPU board type EXCPU360;
- CPU board type EXCPU360, optional, if less than 512 detectors or manual call points are used;
- Housing board for CPU board, type BUSCPU;
- Housing board type CANBUS;
- Housing board for LCD, type BUSFR;
- Output board type EX8RO;
- Output board type EX6SO;
- Loop board type EXLOOP-E, optional, if input board type EX8SI or EX2GSI is used;
- Input board type EX8SI, optional, if input board type EXLOOP-E or EX2GSI is used;
- Input board type EX2GSI, optional, if input board type EX8SI or EXLOOP-E is used;
- Extinction command board type EX6EV-C, combination of boards type EX6EV + EX8SI, optional, up to 8 maximum;
- Input/Output board type EX6EV, optional;
- Digital input/Output board type EX8D I/O, optional;
- Interface board type EXMULTIBUS, optional ;
- Display touch screen type MODLCD;
- Supplementary acoustic local sounder trademark MENVIER CSA type FLASHNI.

Maximum number of board that can be installed: 20.

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

- Remote input/output expansion type EXREMOTE PANEL with integrated Power Supply Equipment (see configuration to page No. 2), up to 16 maximum;
- Remote control panel type EXRGR, up to 16 maximum.

The remote input/output expansion type EXREMOTE PANEL with integrated Power Supply Equipment consists of the same box of the control and indicating equipment type MINI-EXFIRE, containing:

Power supply section:
- No. 2 Power supply trademark TDK-Lambda, type SWS600L-24 rated 24 V (No. 1 Power supply used for self-consumption of the board used, for external devices and charger battery; No. 1 Power supply used as a redundant power supply);
- No. 1 System battery controller board trademark SV SISTEMI DI SICUREZZA, type EXPSU20;
- No. 1 LED board type EXPSU20-LED;
- No. 1 Display touch screen type MODLCD, optional;
- No. 2 Allocable batteries rated 12 V – 55 Ah;

and fully configurable by following parts:
- Housing board type CANBUS;
- Housing board for LCD, type BUSFR;
- Output board type EX8RO;
- Output board type EX6SO;
- Loop board type EXLOOP-E;
- Input board type EX8SI;
- Input board type EX2GSI;
- Extinction command board type EX6EV-C, combination of boards type EX6EV + EX8SI, up to 8 maximum;
- Input/Output board type EX6EV;
- Digital input/Output board type EX8D I/O;
- Interface board type EXMULTIBUS;
- Display touch screen type MODLCD;
- Supplementary acoustic local sounder trademark MENVIER CSA type FLASHNI.

Maximum number of board that can be installed: 20

Technical Characteristics

- Number of zone: 1 ÷ 99 (32 detectors and/or manuals call points for each zone)
- Hardware identification of CPU board: NXP, LPC2468FBD208
- Firmware identification of CPU board: 2.0

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

7.8 Output to fire alarm device
7.9 Output to fire alarm routing equipment
7.10 Output to fire protection equipment
7.11 Delay to outputs
7.12 Co-incidence detection – Type C
7.13 Alarm counter
8.3 Fault signals from points
8.9 Output to fault warning routing equipment
9.5 Disablement of addressable points
10 Test condition
11 Standardized input/output interface

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
4.23 Manual only mode
4.24 Triggering signals to equipment within the system (by means of the board type EX6EV or EX6SO)
4.25 Extinguishing signals to spare cylinders
4.26 Triggering of equipment outside the system
4.27 Emergency abort device
4.29 Release of the extinguishing media for selected flooding zones
4.30 Activation of alarm devices with different signals