SV SISTEMI DI SICUREZZA

ITALY

EXRGR

TECHNICAL SPECIFICATION
EXRGR GRAPHIC REPEATER

TECHNICAL SPECIFICATION
REVISION 03 OF 13/10/2020
TS-0025-EN-REV03

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INDEX OF REVISIONS

REVISION	DESCRIPTION	DATE
Revision.01	Preliminary version	22/02/2012
Revision.02	Revised for IMQ certification scope	06/10/2016
Revision.03	Revised for updating company address	13/10/2020

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INDICE

1 GENERAL INFORMATION

1.1 CODES AND STANDARDS

Design of hardware and software have been developed according to the following reference standards.

Construction Products Regulation (CPR) – Regulation 305/2011.
"Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC".

EN 54-2
"Fire detection and fire alarm systems - Part 2: Control and indicating equipment"

EN 54-4
"Fire detection and fire alarm systems - Part 4: Power supply equipment)"

EN 12094-1
"Fixed firefighting systems - Components for gas extinguishing systems - Part 1: Requirements and test methods for electrical automatic control and delay devices (only for EX6EV-C card)"

EN 60079-29-1
"Explosive atmospheres - Gas detectors - Performance requirements of detectors for flammable gases"

1.2 DESIGN REQUIREMENTS

EXRGR has the environmental classification of the EXFIRE360 control panel.

1.3 MANUAL CONTROLS

The manual controls on EXRGR are sent to the EXCPU360 control units.

1.4 VISIBLE INDICATIONS

Alarm, fault and other supervisory or monitoring indications are visible on the Master display, light emitting indicators adjacent to the display and on ModLcd displays installed on each module.
Touch-screen operations on Master display give access to the panel functions (at access levels 1/2/3).
Visible indications are clearly identified at access level 1 for their specific function.

1.5 DISTINCT LIGHT INDICATIONS

Visible indications are clearly identified at access level 1 for their specific function. Mandatory visible indications could be fully tested through "Test LED" function available at level 2.

1.6 INDICATIONS SHOWN ON ALPHANUMERIC DISPLAYS

EXRGR card is a graphic repeater display.

1.7 BATTERY REPLACEMENT

EXRGR is equipped with a CR2032, lithium 3,3 V battery, that allows to preserve hour/date value.
ATTENTION: risk of explosion in case of not correct type of battery. Please replace the battery following the instructions.

2   REMOTE GRAPHIC REPEATER

EXRGR repeats all information shown on panel main interface (MASTERLCD); it can be connected through a RS485 or CAN bus that can ensure a distance from the panel up to 1000 m (or more if optic is used).
Please refer to "TM-0001 Operator manual" for details about MASTERLCD functionalities.

2.1   MAIN FEATURES

- automatic card addressing;
- execution of diagnostic functions;
- 7" LCD, 800 x 480 resolution and touch-screen functionality;
- 22 LEDs for visible indications;
- two RJ11 connector for RS485 serial lines;
- one RJ45 connector for CANbus communication;
- one Ethernet port;
- local buzzer;
- monitoring of card temperature;
- monitoring of card humidity;
- monitoring of CANbus communication;
- monitoring of supply voltages (24 Vdc/ 5 Vdc / 3.3 Vdc);
- supply voltage: 21÷30 Vdc;
- standby current consumption: 260 mA;
- working temperature: -5 to +40°C;
- storage temperature: -10 to +50°C;
- humidity range (UR): <= 95% non-condensing;
- dimensions: 340 mm x 200 mm x 100 mm.

3   MAINTENANCE

EXRGR can be connected or disconnected when desired; in case of removal, panel will display the message "CARD XXX MISSING". Please wait 30 seconds before inserting the card again, to let the card electronic discharge completely.
Once the card will be connected anew the panel will cancel the fault indication.