

SV SISTEMI DI SICUREZZA

ITALY



EXFIRE360/

MINI-EXFIRE360

MASTERLCD TECHNICAL SPECIFICATION

TECHNICAL SPECIFICATION

REVISION 06 OF 13/10/2020

TS-0015-EN-REV06

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INDEX OF REVISIONS

REVISION	DESCRIPTION	DATE
Revision.01	Preliminary version	17/01/2010
Revision.02	Revised for certification scope	08/03/2010
Revision.03	Revised for certification scope	10/10/2010
Revision.04	Revised for certification scope	26/01/2012
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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

MASTERLCD has the environmental classification of the EXFIRE360 control panel.

1.3 MANUAL CONTROLS

The manual controls on MASTERLCD 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

MASTERLCD card is the main graphic display.

1.7 BATTERY REPLACEMENT

MASTERLCD 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 MASTERLCD PRESENTATION

MASTERLCD is the main graphic interface of the EXFIRE360 control panel. It's equipped with a 7" LCD with touch-screen, 22 LEDs for visible indications and a 24 buttons keypad.

The display screen shows all the Information regarding the status of the panel and the parameters configured in the programming software SV Protection.

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;
- 24 button keypad;
- 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: 350 mm x 130 mm.

3 MAINTENANCE

Being a component necessary for the EXFIRE360 operation, any maintenance procedure implies that the complete protection of the system cannot be guaranteed until the end of the maintenance activity, so all the required actions must be taken in account.