

**SV SISTEMI DI SICUREZZA**

**ITALY**



**EXFIRE360/  
MINI-EXFIRE360  
MODLCD TECHNICAL SPECIFICATION**

**TECHNICAL SPECIFICATION**

REVISION 06 OF 13/10/2020

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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
Revision.05	Revised for IMQ certification scope	10/01/2017
Revision.06	Revised for updating company address	13/10/2020

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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**

MODLCD has the environmental classification of the EXFIRE360 control panel.

### **1.3 MANUAL CONTROLS**

The manual controls on MODLCD depends on the associated card. Please refer “TM-0001 Operator manual” for details.

### **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**

MODLCD is not equipped with distinct light indications.

### **1.6 INDICATIONS SHOWN ON ALPHANUMERIC DISPLAYS**

MODLCD card is the graphic display associated to the input/output cards.

## 2 MODLCD PRESENTATION

MODLCD is the graphic interface that shows the information about each input/output card in the EXFIRE360 control panel. It's equipped with a 4" LCD with touch screen functionality and it's installed on the FRBUS racks on the front door. The display screen shows all the Information regarding the status of each card and its input/output channels. Please refer to "TM-0001 Operator manual" for details about MODLCD functionalities.

### 2.1 MAIN FEATURES

- automatic card addressing;
- execution of diagnostic functions;
- 4" LCD with touch-screen functionality;
- two redundant RS485 lines (communication with I/O units);
- monitoring of card temperature;
- monitoring of card humidity;
- monitoring of RS485 communication;
- monitoring of supply voltages (24 Vdc/ 5 Vdc / 3.3 Vdc);
- supply voltage: 21÷30 Vdc;
- standby current consumption: 100 mA;
- working temperature: -5 to +40°C;
- storage temperature: -10 to +50°C;
- humidity range (UR): <= 95% non-condensing;
- dimensions: 80 mm x 110 mm.

## 3 MAINTENANCE

MODLCD 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.