

# PYRONICS



## ■ PYR-FA-CHA-XL FIRE ALARM CONTROL PANEL

The PYR-FA-CHA-XL is a microprocessor based fire alarm control panel with 1 / 2 / 4 loops built-in supporting two-wire advanced communication. The panel communicates with the devices in real-time the detection data, the device status and control commands as well as monitors all internal components.

## KEY FEATURES

- Modern Design and Feel
- Easily Programmed
- Each Loop Supports 255 Devices
- Loop Supports Both Class A and B
- 4.3" Color LCD Display
- 1,000 Event Log for Each Event Type
- Automatic Battery Changeover and Charge Power Supply
- Can Connect up to 20 Panels for 1 and 2 Loop Panels and up to 10 Panels for 4 Loop Panels
- Can Connect up to 30 Remote Annunciator Panels
- Can be Divided to 32 Zones with Indicators
- Independent 24VDC Circuit
- Multi-Type Tests
- 3 Access Levels
- 3 Year Warranty



# SPECIFICATIONS

## GENERAL

Technology	Microprocessor Based
Loops	1 / 2 / 4 Loop
Loop Capacity	255 devices
Expansion Loops	2 Loop Panels can be expanded to 4 Loops
Display	4.3" Color LCD Display (480 x 272 Resolution)
Keypad	Numeric Easy-use Keypad
LED Indicators	Fire, Power, Fault, Power Fault, System Fault, Sounder Fault, Test, Delay, Evacuate, Sounder Disabled and 32 Zone Separate Indicators
Relays	1 for Fire Event 1 for Fault Event
Wiring	2 Wire (Polarity Insensitive)
Access Level	3
Log History	1,000 Event for Fire Event 1,000 Event for Fault Event 1,000 Event for Supervisory Event
Tests	Point Test, Zone Test and Module Test
Printer	Optional Integral Printer

## PERFORMANCE

Panel Connection	CAN Bus (Can connect up to 20 panels for 1 and 2 Loop Panels and up to 10 panels for 4 loop panels)
Remote annunciator connection	RS485 (Can connect up to 30 RAPs)
Conventional DC Line	1 x 24 VDC Line, 500 mA
Output	
Class	Support A and B
Power Supply	Monitored with automatic change-over and battery charger
Battery Type	Value Regulated Lead Acid (VRLA)
Maximum Battery Capacity	12 VDC 17 Ah

## ELECTRICAL

Mains Voltage	110 to 220 VAC $\pm 15\%$
Operating Voltage	20 to 28 VDC
Standby Current	< 0.4 Ampere
Alarm Current	1 Ampere

## MECHANICAL

Material	Cold Rolled Steel
Dimensions	560 mm x 430 mm x 170 mm (Height x Width x Depth)
Weight	14 Kg (Without batteries)

## ENVIRONMENTAL

Application	Indoor Installation Only
Operating Temperature	-5 °C to +45 °C
Storage Temperature	-10 °C to +55 °C
Humidity	0 to 95% (Relative Humidity)

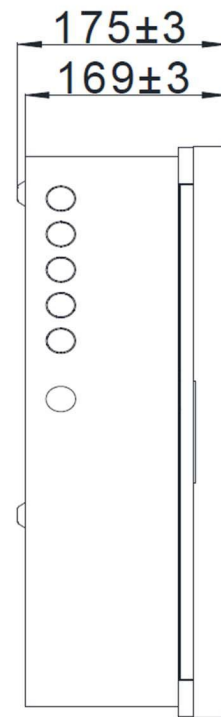
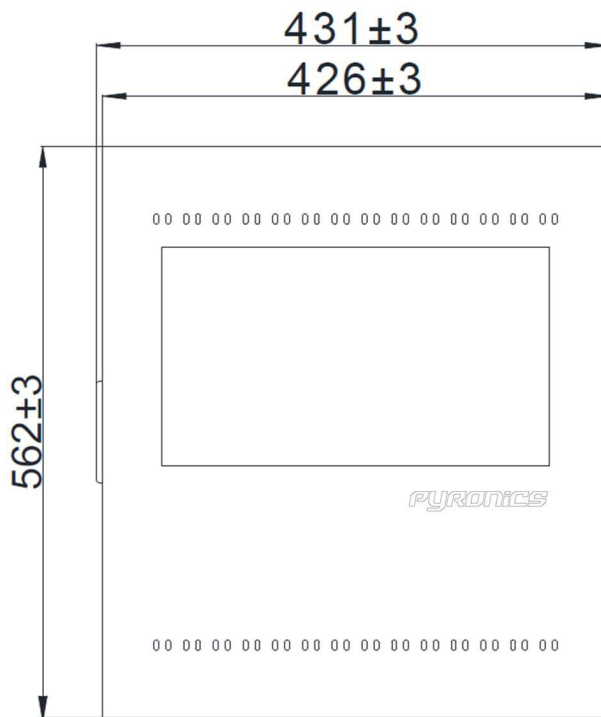
## REGULATORY

Certification	LPCB according to EN54-2 and EN54-4
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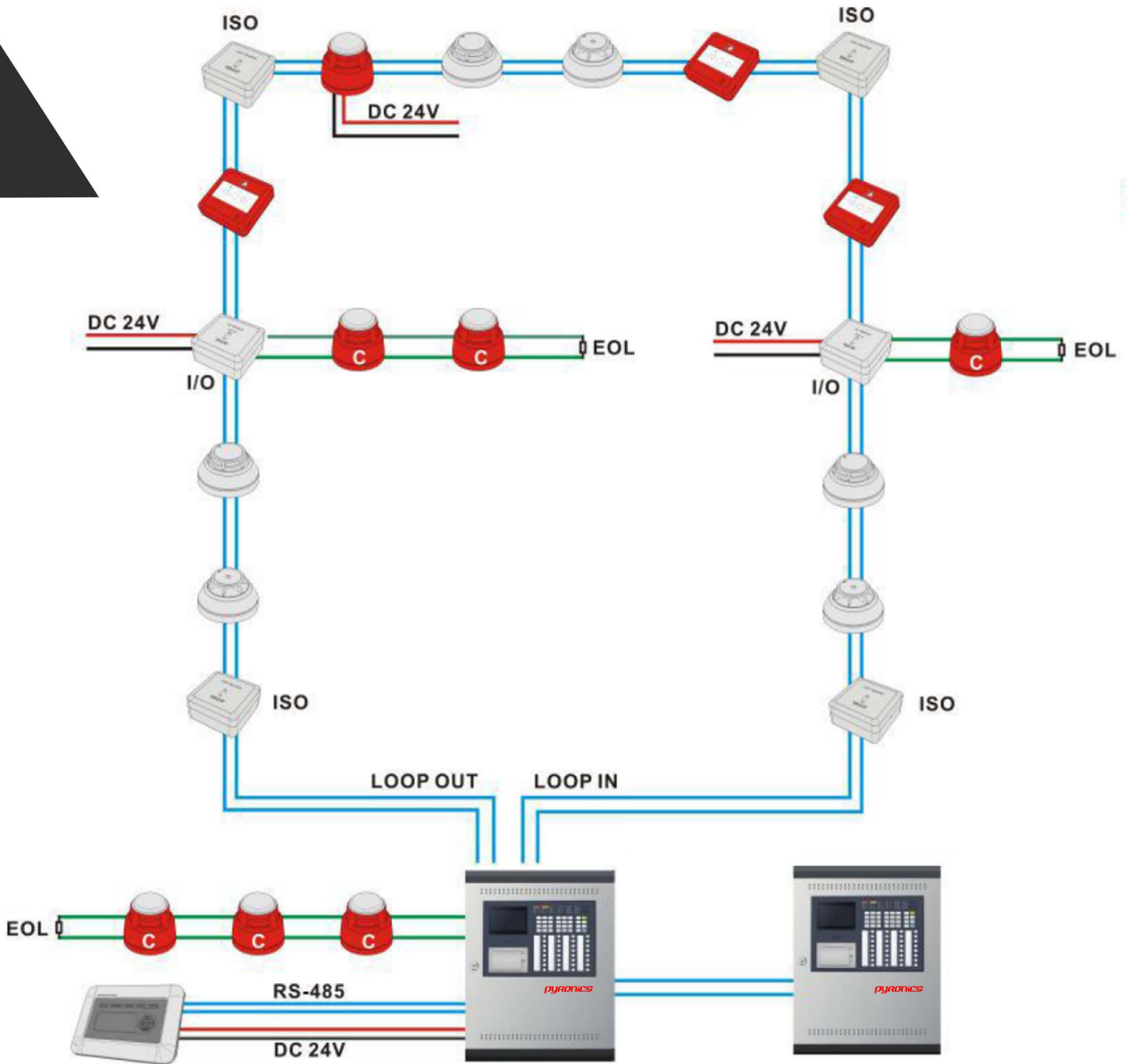




## DIMENSIONS



# WIRING



# ORDERING INFORMATION

Model	Description
PYR-FA-CHA-1L	1 LOOP FIRE ALARM CONTROL PANEL
PYR-FA-CHA-2L	2 LOOP FIRE ALARM CONTROL PANEL
PYR-FA-CHA-4L	4 LOOP FIRE ALARM CONTROL PANEL
PYR-FA-CHA-2L-EXP	2 LOOP EXPANSION CARD (FOR USE WITH 2 LOOP PANEL ONLY)
PYR-FA-CHA-PP	PANEL INSTALLED PRINTER

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Pyronics warrants all its products against any and all manufacturing defects from the date of product delivery from the factory and/or distribution center. Pyronics's Challenger series has a warranty of 3 years

PYR-FA-CHA-XL – Datasheet V.001

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