



## FM200 Fire Fighting System Gas Extinguishing Fire Suppression System Control Panel

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: XHA
- Certification: CE
- Model Number: XHAGC1004
- Minimum Order Quantity: 1PCS
- Price: negotiable
- Packaging Details: 4pcs/carton
- Delivery Time: 3 Working days
- Payment Terms: T/T, Western Union
- Supply Ability: 500pcs/month



### Product Specification

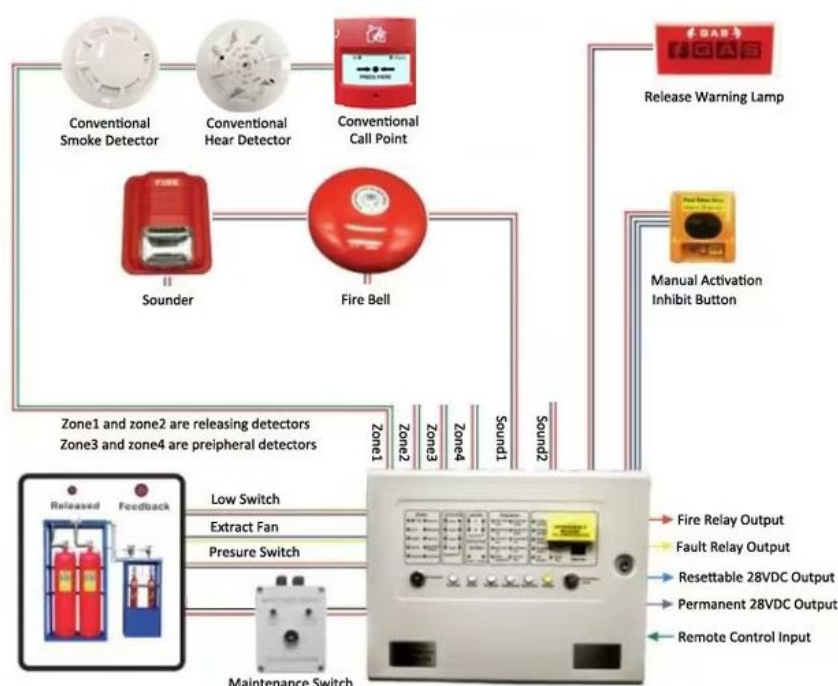
- Extinguishing Agent: FM200 Control Panel
- Mains Supply: 90 To 270VAC, 50Hz/60Hz
- Function: Fire Alarm, Gas Extinguisher
- Zone: 4zone
- Highlight: **FM200 Fire Fighting System, Gas Extinguishing Fire Suppression System Panel, Fire Suppression System Control Panel**



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## Product Description

### FM200 Fire Fighting System Gas Extinguishing Fire Suppression Control Panel



### Introduction

The FM200 is a fire suppression system that uses a clean agent, FM-200, to extinguish fires. The control panel is the central management interface for the FM200 system.

The FM200 control panel typically includes the following key features and functionalities:

**Monitoring and Status Display:** The control panel provides real-time monitoring of the FM200 system's status, including fire detection, agent release, and system faults. It often features a LCD display or touchscreen interface to show the current state of the system.

**Alarm Annunciation:** When the FM200 system detects a fire, the control panel triggers audible and visual alarms to alert occupants and emergency personnel. This can include activating sounders, strobes, or other notification appliances.

**Agent Release Activation:** The control panel is responsible for initiating the release of the FM-200 agent when a fire is detected. This is typically done through a manual pull station or automatic activation from the fire detection system.

**Fault Reporting:** The control panel continuously monitors the FM200 system components, such as detectors, valves, and power supplies, and reports any faults or issues that arise. This allows for quick troubleshooting and maintenance.

**Programmable Logic:** The control panel often includes programmable logic capabilities, allowing the system to be customized to specific site requirements. This can include setting activation delays, agent discharge times, and integrating with other building systems.

**User Interface:** The control panel provides a user-friendly interface for operators to interact with the FM200 system. This may include buttons, switches, or a touchscreen display for accessing system menus, acknowledging alarms, and performing tests or system checks.

**Power Management:** The control panel manages the power supply to the FM200 system, ensuring that the clean agent and associated components are ready for immediate activation in the event of a fire.

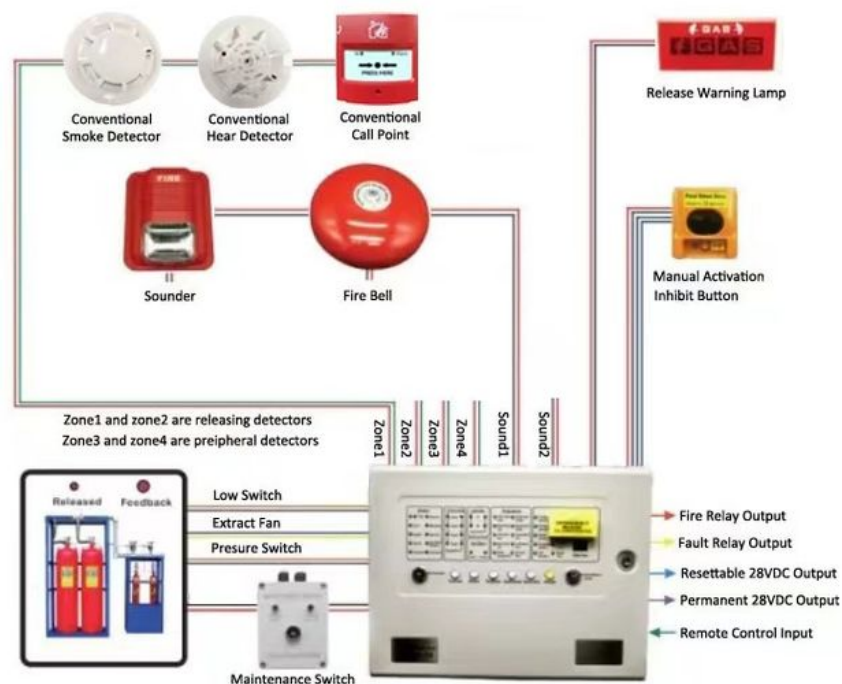
The specific features and layout of the FM200 control panel may vary depending on the manufacturer and the size or complexity of the overall fire suppression system. It's important to refer to the manufacturer's documentation and training materials for detailed instructions on the operation and maintenance of the particular FM200 control panel installed in your facility.

## Specification

Table 1 - Electrical specifications

ITEM	ELECTRICAL RATING	COMMENT
Size	383mm W x 295mm H x 87mm D metal enclosure	
Weight	5kg	
Mains supply	90 to 270VAC, 50Hz/60Hz	
Mains supply fuse	3 Amp (F3A L250V)	Replace only with similar type
Power supply rating	3 Amps total including battery charge 28V +/- 2V	
Maximum ripple voltage	≤200 millivolts	
Battery type	Two 12 Volt sealed lead acid in series.	7Ah maximum
Battery charge voltage	27.6VDC nominal	
Battery charge current	0.7A maximum	
Current draw in mains fail condition	0.095 Amps	With buzzer sounding
Current draw in second stage alarm	0.235Amps	Two zones in fire(470 ohm in circuit)
Current draw in post discharge condition	0.310Amps	solenoid outputs active
Maximum current draw from batteries	3Amps	With main power disconnected
NAC outputs(sounder & bell circuit)	26 to 28V DC Fused at 500mA with electronic fuse	1.2Amp total load over all circuits
Fault relay contact rating	2A /30VDC maximum for each	Volt free changeover contact
Fire relay contact rating	2A /30VDC maximum for each	Volt free changeover contact
First stage contact rating	2A /30VDC maximum for each	Volt free changeover contact
Second stage contact rating	2A /30VDC maximum for each	Volt free changeover contact
Extract contact rating	2A /30VDC maximum for each	Volt free changeover contact
Zone quiescent current	4mA maximum	
Terminal capacity	0.5mm <sup>2</sup> to 2.5mm <sup>2</sup> solid or stranded wire	
Number of detectors per zone	≤30 PCS conventional detectors	
Number of sounders per circuit	Dependent on type and current consumption	
Detection circuit end of line	4K7±5% 1/2 Watt resistor	3K-5.6K 1/2W
Monitored input end of line	4K7±5% 1/2 Watt resistor	3K-5.6K 1/2W
Sounder circuit end of line	10K±5% 1/2 Watt resistor	6.8K-20K 1/2W
Extinguishant output end of line	10K±5% 1/2 Watt resistor	6.8K-20K 1/2W
No. of detection circuits	Four 21 to 28V DC	
No. of sounder circuits	Four 21 to 28V DC	
Extinguishant release output	21V to 28V DC, Maximum load 2 Amp	
Extinguishant release delay time	Adjustable 0 to 75 seconds	5 second steps
SIL, AL, FLT, RST inputs	Switched - min resistance 0 ohms, max 1k ohms	
Detector alarm threshold	270 ohms to 1K ohms	
Call point alarm threshold	150 ohms to 1K ohms	
Short circuit threshold	0 ohms to 130 ohms	
Status unit/Ancillary board connection	Two wire RS485 connection with electronic fuse.	Max. of 32 units-RS485 data cable

## Connection Diagram



## Product Range

Conventional Fire Alarm System  
 Addressable fire alarm system  
 Gas Extinguishing control system  
 Beam Detector

4 wire smoke detectors with relay output.  
2 wire Conventional smoke and heat detectors  
Explosion-proof flame detector for fire alarm system  
Standalone smoke detectors and combustible gas detector

### Service

1. OEM & ODM service.
2. Provide technical support and after-sale service.
3. 1 year warranty.
4. Normally 15 working days lead time.
5. Welcome sample order.



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