



Fire Protection FM200 Gas Fire Suppression System Customized Acceptable

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 System
- Function: Fire Alarm, Gas Extinguisher
- Zone: 4zone
- Power Supply: 90-270VAC
- Detection Method: Smoke/Heat
- Customized: Acceptable
- Highlight:
 - Fire Protection FM200 Gas Fire Suppression System
 - FM200 Gas Fire Suppression System Customized
 - Fire Protection FM 200 Fire Suppression System



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Product Description

Fire Protection FM200 Control System For Smoke Alarm And Gas Extinguishant Control Panel



Introduction

The FM200 control system is a comprehensive solution for fire suppression that utilizes the clean agent FM-200 to extinguish fires. The control system is the central brain of the FM200 fire suppression setup, responsible for monitoring, activating, and managing the various components.

Key elements of the FM200 control system include:

Control Panel: This is the main interface where the system's status and operations are monitored and controlled. The control panel typically features a display, buttons, and indicators to allow users to view system information, acknowledge alarms, and manually activate the system if needed.

Detection Devices: The control system integrates with various fire detection devices, such as smoke detectors, heat detectors, and manual pull stations. These devices continuously monitor the protected area and transmit alarm signals to the control panel.

Agent Release Mechanism: When a fire is detected, the control system triggers the release of the FM-200 agent from the storage cylinder(s). This is usually accomplished through electronically actuated valves or other discharge mechanisms.

Notification Appliances: The control system activates audible and visual alarms, such as sirens, horns, and strobe lights, to alert occupants of a fire emergency and the impending agent discharge.

Auxiliary Systems Integration: The FM200 control system can be integrated with other building systems, such as HVAC, lighting, and access control, to coordinate a comprehensive response during a fire event.

Monitoring and Reporting: The control system continuously monitors the status of the FM200 system components and can generate reports, logs, and notifications for maintenance, testing, and regulatory compliance purposes.

Programmable Logic: Many FM200 control systems offer programmable logic capabilities, allowing for customization of system parameters, discharge sequences, and integration with other building automation systems.

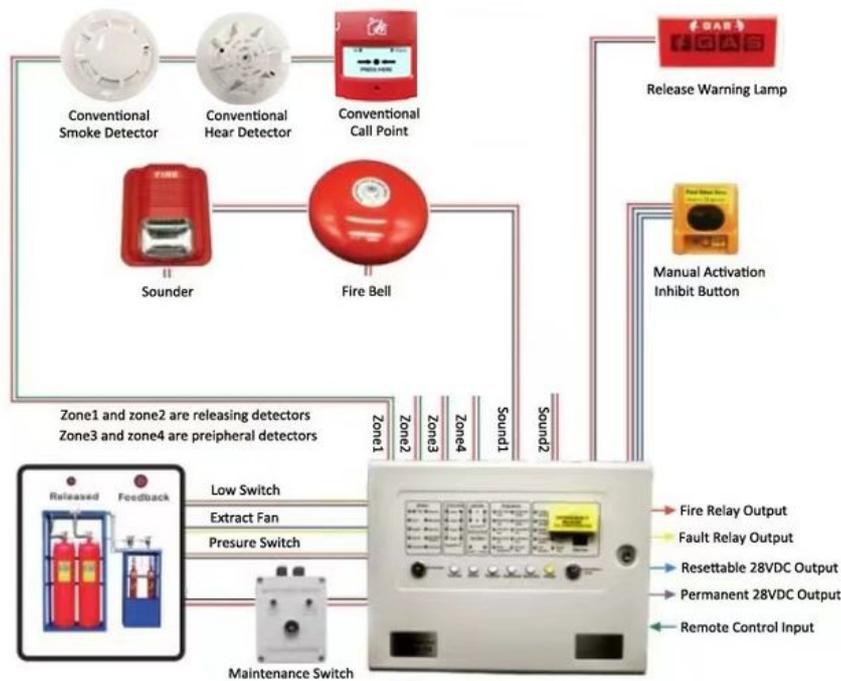
The specific features and functionalities of the FM200 control system may vary depending on the manufacturer and the size or complexity of the overall fire suppression installation. It's important to refer to the system's documentation and work closely with trained professionals for proper installation, programming, and maintenance of the FM200 control system.

Specification

Table 1 - Electrical specifications

ITEM	ELECTRICAL RATING	COMMENT
Size	383mm W x 295mm H x 87 mm 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 ² to 2.5mm ² 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 combustable 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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