



Red Advanced Gas Extinguishing System 4 Zone For Fire Suppression Fire Fighting

Our Product Introduction

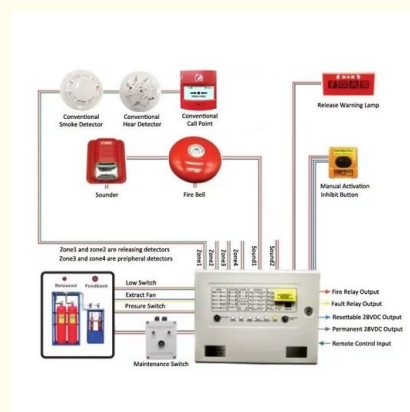
Basic Information

- 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

- Mains Supply: 90 To 270VAC, 50Hz/60Hz
- Zone: 4zone
- Extinguishing Agent: Gas
- Detection System: Smoke/Heat Detectors
- Type: Fire Suppression Control
- Function: Fire Alarm, Gas Extinguisher
- Highlight: **Advanced Gas Extinguishing System, Gas Extinguishing System 4 Zone, Red Gas Extinguishing System**



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Product Description

Advanced Gas Extinguishing System For Fire Suppression Fire Fighting



Introduction

A gas extinguishing control panel is the central command and control unit for a gas-based fire suppression system. It is responsible for monitoring the fire detection devices, activating the extinguishing agent release, and coordinating the overall fire safety operation.

Key components and functions of a gas extinguishing control panel include:

Fire Detection Monitoring:

The control panel receives input signals from smoke detectors, heat detectors, or other fire alarm sensors installed in the protected area.

It continuously monitors the status of these detection devices to identify the presence of a fire hazard.

The panel is programmed with specific logic and algorithms to determine when a fire event has occurred based on the detection inputs.

Extinguishing Agent Release Control:

Upon detecting a fire, the control panel initiates the release of the gaseous extinguishing agent, such as carbon dioxide (CO₂), clean agents, or inert gases.

It coordinates the opening of valves, the discharge of the extinguishant from storage cylinders or tanks, and the activation of any associated warning devices.

The panel ensures the controlled and timed discharge of the extinguishing agent to effectively suppress the fire.

System Monitoring and Status Display:

The control panel provides a comprehensive overview of the fire suppression system's status, including any faults, troubles, or activations.

It features user-friendly interfaces, such as LCD screens or touchpanels, to display real-time information about the system's condition.

Indicator lights, audible alarms, and other visual cues help operators quickly identify the system's status.

Manual Controls and Interfaces:

The control panel allows authorized personnel to manually initiate the extinguishing system, silence alarms, and reset the system after an activation.

It may include keypad interfaces, push-buttons, or other input devices for manual control and system interaction.

The panel may also provide interfaces for integration with building management systems, alarm monitoring services, or other safety and security systems.

Power Supply and Backup:

The control panel is typically powered by the building's electrical system, with backup battery power to ensure continuous operation in the event of a power failure.

Redundancy measures, such as dual power supplies or battery backup systems, help maintain the panel's functionality during emergencies.

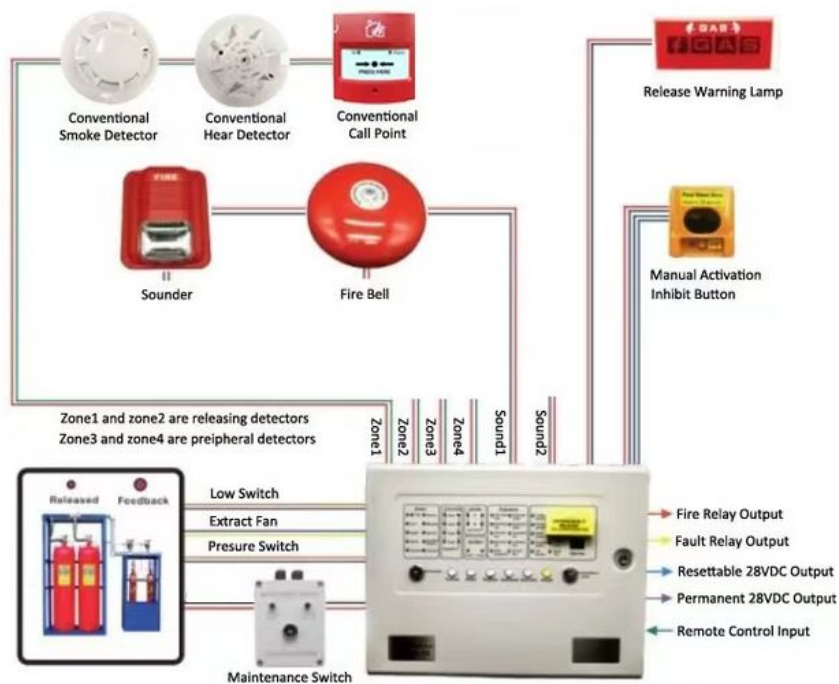
Gas extinguishing control panels are designed to be robust, reliable, and compliant with relevant fire safety standards and regulations. They play a crucial role in the effective management and operation of gas-based fire suppression systems, ensuring the protection of lives, property, and critical assets.

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 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 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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