



Professional 4-Zone Gas Suppression Panel For Enhanced Fire Safety And Fighting Efficiency

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

- Type: Fire Suppression Control
- Zone: 4zone
- Extinguishing Agent: Gas
- Mains Supply: 90 To 270VAC, 50Hz/60Hz
- Function: Fire Alarm, Gas Extinguisher
- Highlight: **Professional Gas Suppression Panel, 4-Zone Gas Suppression Panel, gas suppression system panel**



More Images



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Product Description

Gas Extinguishing Fire Suppression Control Panel For Fire Fighting System



Introduction

Gas extinguishant control systems are comprehensive fire protection solutions that utilize gaseous agents to suppress and extinguish fires. These systems are designed to detect the presence of a fire, automatically release a carefully selected extinguishing agent, and coordinate the overall fire suppression process.

These control panels play a crucial role in the effective operation and management of gas-based fire suppression systems, helping to protect people, property, and critical infrastructure from the devastating consequences of fires.

Monitoring fire detection devices:

The control panel receives and processes 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.

Activating gas extinguishing systems:

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

The panel coordinates the opening of valves, the discharge of the extinguishant, and the activation of any associated warning devices.

Providing system status and control:

The control panel displays the current status of the fire suppression system, including any fault conditions or trouble alerts.

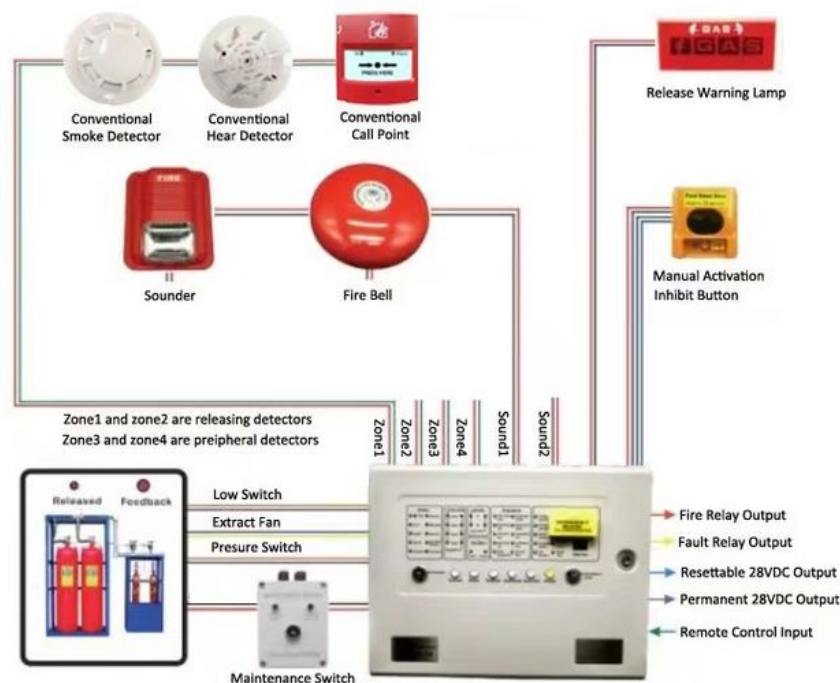
It allows authorized personnel to manually initiate the extinguishing system, silence alarms, and reset the system after an activation.

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(sonder & 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	0.5mm² to 2.5mm² 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/Anillary 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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