Gas Fire Extinguishing System 4zone Gas-based Fire Suppression System Inert Gases for Effective Fire Extinguishing FM200 Fire Fighting System

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

- Connection Diagram: Product RangeConventional Fire Alarm SystemAddressable Fire Alarm SystemGas Extinguishing Control SystemBeam Detector4 Wire Smoke Detectors With Relay Output.2 Wire Conventional Smoke And Heat DetectorsExplosion-proof Flame Detector For Fire Alarm SystemSt
- 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.
- Zone: 4zone
- Providing System Status And Control: The Control Panel Displays The Current Status Of The Fire Suppression System, Including Any Fault Conditions Or Trouble Alerts

Product Description

Product Description:

The Gas Extinguishing System is a cutting-edge fire suppression solution designed to protect properties from fires effectively. This system incorporates advanced technology to provide reliable and efficient fire extinguishing capabilities.

The control panel of the Gas Extinguishing System plays a crucial role in providing system status and control. It offers real-time monitoring of the fire suppression system, displaying the current status, including any fault conditions or trouble alerts. This feature ensures that users are always informed about the system's operational status, allowing for timely responses to any issues that may arise.

Gas extinguishant control systems are essential components of fire safety measures in various settings, including commercial buildings, industrial facilities, and critical infrastructure. These systems utilize gaseous agents to suppress and extinguish fires swiftly and effectively, helping to minimize property damage and protect lives.

The Gas Extinguishing System is equipped to perform two primary functions: fire alarm and gas extinguisher. The fire alarm function provides early detection of fire incidents, triggering the activation of the gas extinguisher to suppress the fire rapidly. This dual functionality ensures a comprehensive approach to fire protection, enhancing the safety and security of the protected environment.

In addition to its advanced features and capabilities, the Gas Extinguishing System offers a range of services to meet customer needs effectively. These services include OEM and ODM options, providing customers with the flexibility to customize the system according to their specific requirements. The system also comes with technical support and after-sale service, ensuring that customers receive assistance and guidance throughout the system's lifecycle.

As part of our commitment to quality and customer satisfaction, the Gas Extinguishing System is backed by a 1-year warranty, giving customers peace of mind and assurance of the system's reliability. With a standard lead time of 15 working days, customers can expect timely delivery of their orders, allowing for quick installation and deployment of the system. Additionally, we welcome sample orders, enabling customers to experience the system's performance firsthand before making a full commitment.

Despite its advanced capabilities, the Gas Extinguishing System is designed with portability in mind, weighing just 5kg for easy handling and installation. This lightweight design ensures that the system can be deployed quickly and efficiently in various settings, making it a versatile and practical fire suppression solution.

In conclusion, the Gas Extinguishing System is a state-of-the-art fire suppression system that combines advanced technology, reliable performance, and user-friendly features to deliver effective fire protection. With its comprehensive functionality, range of services, and lightweight design, this system is an ideal choice for safeguarding properties against fire hazards.

Features:

Product Name: Gas Extinguishing System

Extinguishing Agent: Gas

Mains Supply: 90 To 270VAC, 50Hz/60Hz

Activating gas extinguishing systems: Upon detecting a fire, the control panel triggers the release of a gaseous extinguishing agent, such as carbon dioxide (CO_2), clean agents, or inert gases.

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.

Weight: 5kg

Technical Parameters:

Connection Diagram	Product Range
Activating gas extinguishing systems	Upon detecting a fire, the control panel triggers the release of a gaseous extinguishing agent, such as carbon dioxide (CO_2), clean agents, or inert gases.
Zone	4zone
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.
Type	Fire Suppression Control
Weight	5kg
Product Name	Flexible Gas Extinguishing System for Comprehensive Fire Safety Solutions FM200 Gas Fire Suppression System 4 Zone Gas Fire Suppression System
Extinguishing Agent	Gas
Introduction	Gas extinguishant control systems are comprehensive fire protection solutions that utilize gaseous agents to suppress and extinguish fires.
Product Category	Gas Extinguishing System

Applications:

Product Application Occasions and Scenarios for the Gas Extinguishing System:
The XHA Gas Extinguishing System is ideal for various settings where fire protection is critical. Below are some of the key occasions and scenarios where this product can be effectively utilized:
- Data Centers: The Gas extinguishing fire suppression system is essential in data centers to protect valuable equipment and data from fire damage.
- Telecommunication Facilities: Gas fire suppression and detection systems are crucial in telecommunication facilities to ensure uninterrupted communication services.
- Server Rooms: The Gas fire suppression and detection system is perfect for server rooms where fires can cause downtime and data loss.
- Control Rooms: Gas extinguishant control systems are vital in control rooms to safeguard personnel and sensitive equipment from fire hazards.
- Laboratories: The Gas Extinguishing System is ideal for laboratories where fire risks are high due to various chemicals and experiments.
- Industrial Facilities: Gas fire suppression and detection systems are necessary in industrial settings to protect machinery, materials, and workers.
- Healthcare Facilities: Gas fire suppression and detection systems play a critical role in healthcare facilities to ensure patient safety and continuous operations.
- Museums and Archives: The Gas Extinguishing System is essential in museums and archives to protect valuable artifacts and documents from fire damage.
- Retail Stores: Gas extinguishing fire suppression systems are important in retail settings to prevent fire incidents and protect merchandise.
- Offices: Gas fire suppression and detection systems enhance fire safety in office buildings to protect employees and assets.
With its reliable performance and advanced features, the XHA Gas Extinguishing System is suitable for a wide range of applications, providing comprehensive fire safety solutions for various industries and environments.

Support and Services:

The Gas Extinguishing System product comes with comprehensive Product Technical Support and Services to ensure optimal performance and functionality. Our technical support team is available to assist with installation, troubleshooting, and maintenance of the system. Additionally, we offer training programs to educate users on proper usage and maintenance practices. Our services also include periodic system checks and inspections to guarantee that the system is in compliance with safety standards and regulations.

Packing and Shipping:

Product Packaging:
The Gas Extinguishing System is carefully packaged in a sturdy cardboard box to ensure safe transportation. Inside the box, the system components are securely wrapped in protective materials to prevent any damage during transit.
Shipping Information:
Once your order is placed, our team will process it promptly. The Gas Extinguishing System will be shipped using a reputable courier service to deliver it to your specified address. You will receive a tracking number to monitor the delivery status of your package.

FAQ:

Q: What is the brand name of the Gas Extinguishing System product?
A: The brand name is XHA.
Q: What is the certification of the Gas Extinguishing System product?
A: The product is CE certified.
Q: Where is the Gas Extinguishing System product manufactured?
A: The product is manufactured in China.
Q: What is the minimum order quantity for the Gas Extinguishing System product?
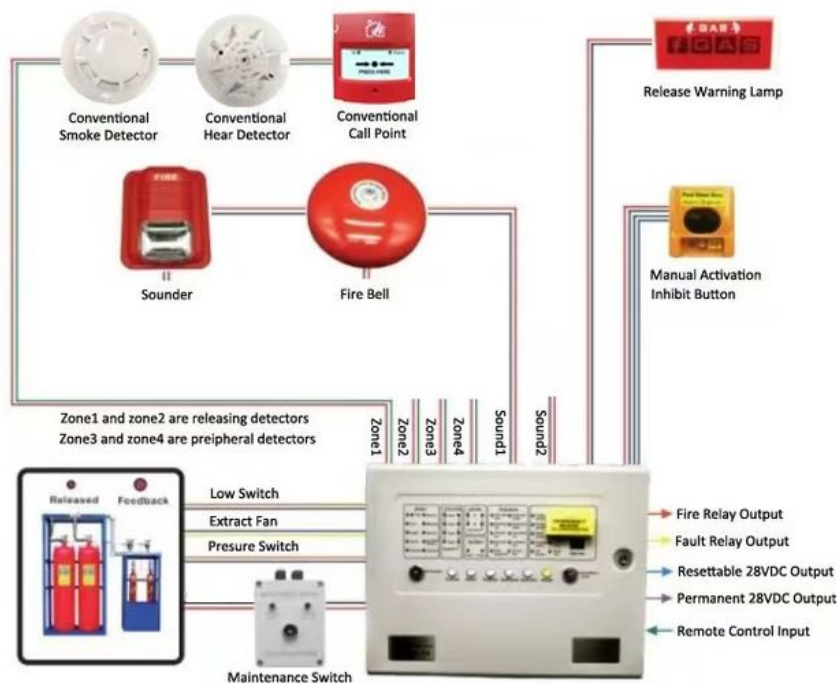A: The minimum order quantity is 1 piece.
Q: What are the accepted payment terms for the Gas Extinguishing System product?
A: The accepted payment terms are T/T and Western Union.

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	0.5mm² 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/Ancillary board connection	Two wire RS485 connection with electronic fuse.	Max. of 32 units-RS485 data cable

Conventional Smoke Detector Conventional Hear Detector Conventional Call Point

Release Warning Lamp

Sounder Fire Bell

Manual Activation Inhibit Button

Zone1 and zone2 are releasing detectors
Zone3 and zone4 are preipheral detectors

Zone1 Zone2 Zone3 Zone4 Sound1 Sound2

Released Feedback

Low Switch
Extract Fan
Presure Switch

Maintenance Switch

Fire Relay Output
Fault Relay Output
Resettable 28VDC Output
Permanent 28VDC Output
Remote Control Input

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