ABS Plastic DC24V UV Fire Alarm Flame Detector For High-Risk Environments

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: XHA
- Certification: CE
- Model Number: XHARS602
- Minimum Order Quantity: 1PCS
- Price: negotiable
- Packaging Details: 360*250*460mm/Carton
- Delivery Time: 7 Working days
- Payment Terms: T/T, Western Union
- Supply Ability: 1000PCS/Month

Product Specification

- Type: Ultroviolet UV Flame Detector
- Power Supply: 24V DC
- Spectrum: 180~290nm
- Detection Angle: 120degree
- Detection Sensitivity: Level 1 25m
- Response Time: Less Than 3 Seconds
- Alarm Output: Relay Output, Normally Open/closed Optional
- Installation: Ceiling/Wall Mounted
- Material: ABS Plastic
- Operating Temperature: -10°C To 50°C
- Highlight: **UV Fire Alarm Flame Detector**, **ABS Plastic Fire Alarm Flame Detector**, **DC24V UV Flame Detector**

DC24V High-Performance UV Fire Alarm Flame Detector For High-Risk Environments

Introduction

It utilizes ultraviolet (UV) light sensing technology to identify the unique UV radiation signature emitted by burning substances, providing fast and reliable fire detection capabilities.When the detector senses the presence of flames, it triggers the relay to signal an alarm condition to the control panel, which can then initiate appropriate emergency response procedures, such as activating notification appliances, releasing fire suppression systems, or notifying emergency services.

Specification

Operating Voltage Range: 12 to 28 VDC Volts
Standby Current: ≤10 mA @ 24 VDC
Alarm Current ≤30 mA @ 24 VDC
Spectrum: 180~290nm
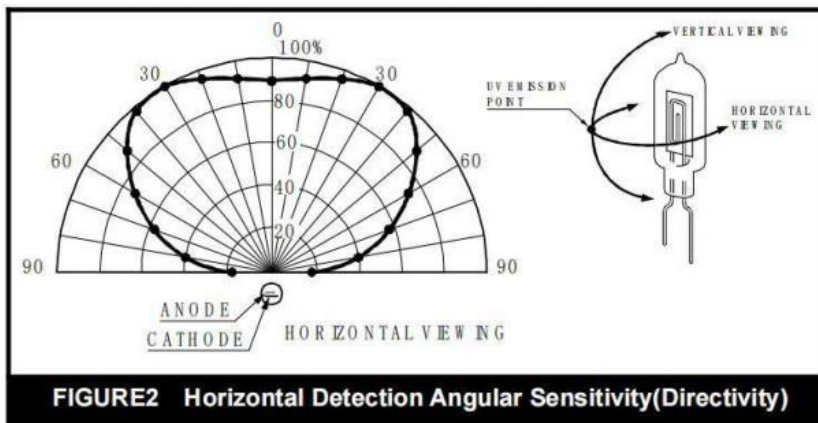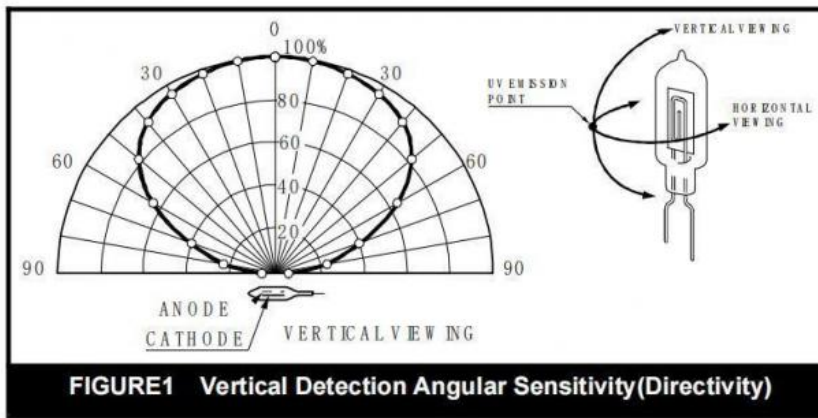Detection Angle: 120 degree
Respond time:≤3seconds
Detection Sensitivity: Grade I, 25m@flame (Container 33cmX33cm,Height 5cm with 2Kg ethanol)
Normal Status: LED blinking in 5 seconds interval
Alarm Status: LED lit steady

FIGURE1 Vertical Detection Angular Sensitivity(Directivity)

FIGURE2 Horizontal Detection Angular Sensitivity(Directivity)

Installation

Terminal dispcription

Terminal 1: Relay Output -COM (ZONE+)
Terminal 2: Relay Output - NO/NC (ZONE-)
Terminal 3: DC Power -
Terminal 4: DC Power +
2. The detector can be connected with Security alarm panel as Figure3. Relay output signal can be changed from Normal Close (NC) to Normal Open (NO) by Jump JP1 on the PCB board.
3. The detector can be connected with conventional alarm panel as Figure 4. One 4.7K ohm resistor should be connected as End of Line (EOL) resistor at the last detector.
4. After the installation, power on the detector, use lighter or candle to test the detector within 3 meters.

Application in Conventional Fire Alarm system

FIGURE3 Terminal Wiring with Security Alarm Panel

FIGURE4   Terminal Wiring with Conventional Fire Alarm Panel
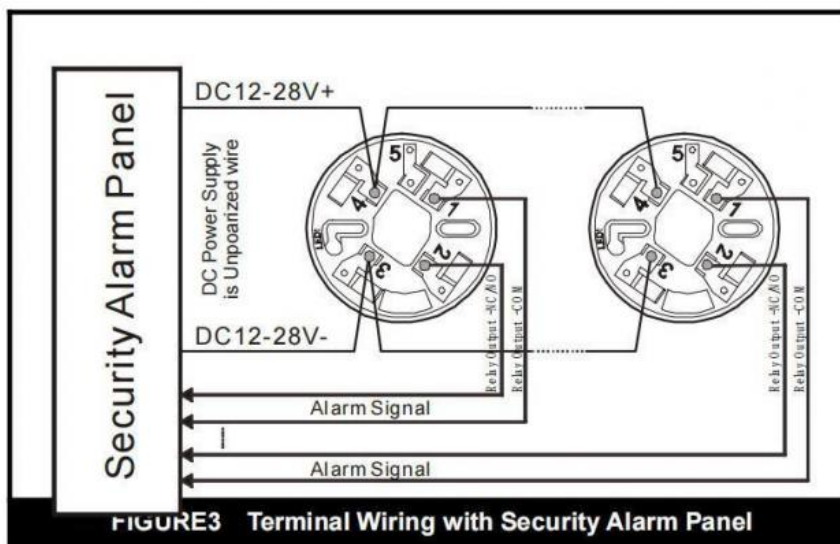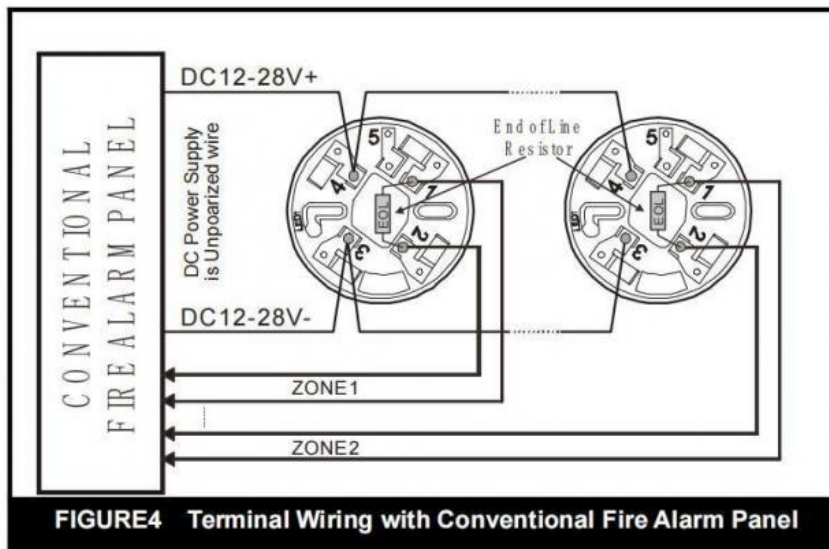
Product Range
Conventional Fire Alarm System
Addressable fire alarm system
Gas Extinguishing control system
Beam Detector
4 wire smoke detectors with relay output.
2 wire Conventional smoke and heat detectors
Explosion-proof flame detector for fire alarm system
Standalone smoke detectors and combustable 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.