



Fast Response UV Flame Sensor 24V DC - Fire Alarm Detector for Chemical Plants & Warehouses

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: XHA
- Certification: CCC
- 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

- Operating Voltage Range: 12 To 28 VDC Volts
- Material: ABS Plastic
- Spectrum: 180~290nm
- Relay Contact Load: 1A@DC24V
- Type: Ultraviolet Flame Detector
- Detection Sensitivity: Level 1 25m
- Installation: Ceiling/Wall Mounted
- Response Time: ≤3 Seconds
- Alarm Output: Relay Output, Normally Open/closed Optional
- Detection Angle: 120degree
- Highlight: **Chemical Plants Fire Alarm Flame Detector, Warehouses Fire Alarm Flame Detector, 24V DC Fire Alarm Flame Detector**



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Product Description

High-Standard Fire Alarm Flame Detector With 12-28 VDC Operating Range



Introduction

The DC24V Ultraviolet Flame Detector is a specialized sensor designed to quickly detect the presence of flames in high-risk environments. 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.

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

Detection Sensitivity: Grade I, 25m@flame (Container 33cmX33cm, Height 5cm with 2Kg ethanol)

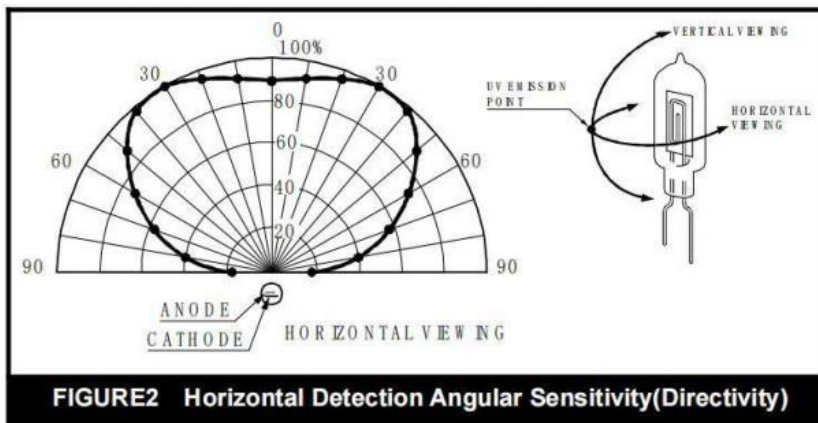
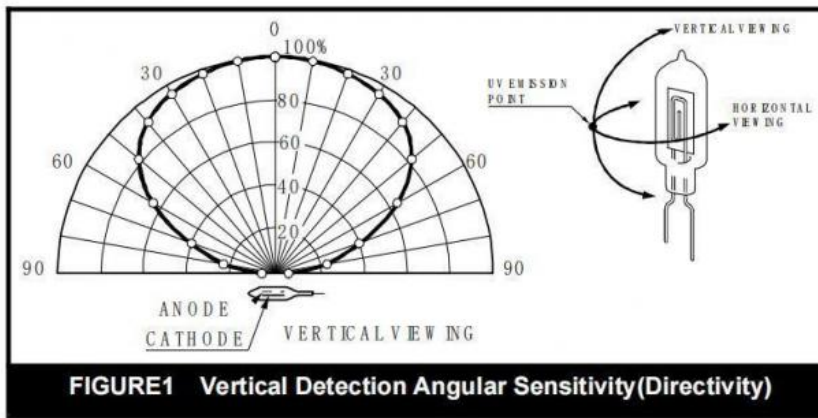
Relay Contact Load: 1A@DC24V

Normal Status: LED blinking in 5 seconds interval

Alarm Status: LED lit steady

Operating Humidity Range: 10% to 93% Relative Humidity, Non-condensing

Operating Temperature Range: -20°C to 55°C



Installation

NOTE: All wiring must conform to applicable local codes, ordinances, and regulations. Mounting Indoor Wall or Ceiling Products.

1. Attach mounting base to ceiling or wall.

2. Connect field wiring to terminals:

Terminal 1: Relay Output -COM (ZONE+)

Terminal 2: Relay Output - NO/NC (ZONE-)

Terminal 3: DC Power -

Terminal 4: DC Power +

3. To attach product to mounting base.

4. Secure product by tightening the two mounting screws in the front of the product housing.

5. 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.

6. 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.

7. After the installation, power on the detector, use lighter or candle to test the detector within 3 meters.

WARNING:

Not to install flame detector near the below subjects:

1. Halogen lamp, Electric discharge lamp, ultraviolet ray lamp.

2. Welding spark, Electric spark

3. Heavy current magnetic field, thunder discharge.

4. Direct sunlight.

5. Ultra violet radiation subjects

The UV flame detector can not detect the following:

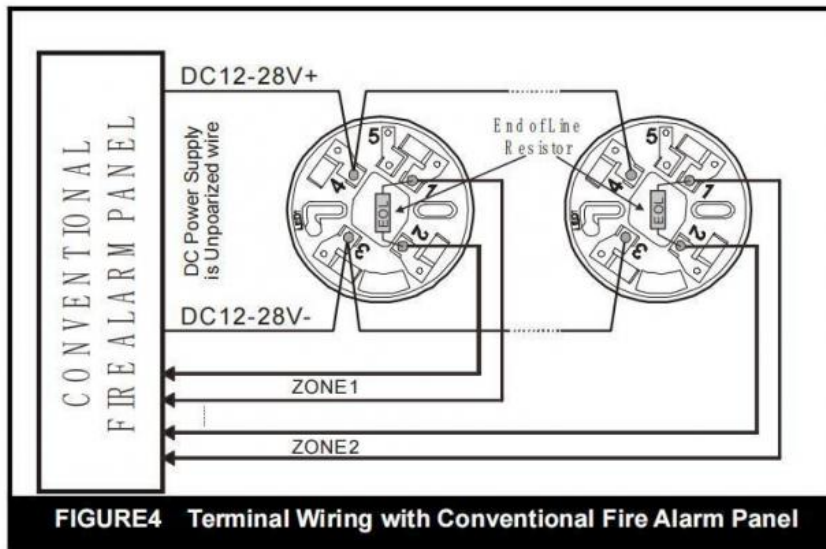
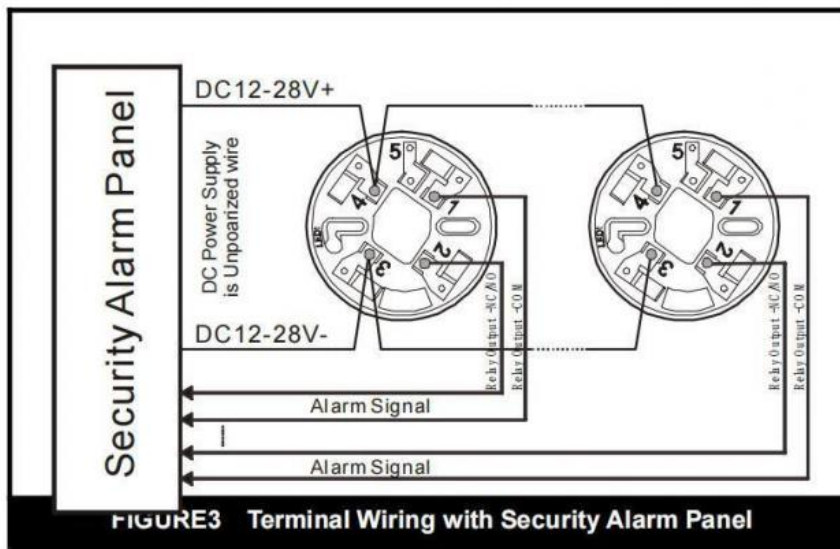
1. The flame behind the glass or transparent resin.

2. Lighted cigarette.

3. Burning charcoal and coal cakes.

4. Burning material without flame.

Application in Conventional Fire Alarm system



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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