

## 24V DC UV Flame Detector - Fast Response Fire Alarm Sensor for High-Risk Environments

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
- Detection Sensitivity: Level 1 25m
- Detection Angle: 120degree
- Installation: Ceiling/Wall Mounted
- Type: Ultraviolet Flame Detector
- Response Time: ≤3 Seconds
- Alarm Output: Relay Output, Normally Open/closed Optional
- Highlight: **High Risk Environments Flame Detector, 24V DC UV Flame Detector, Fast Response 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:  $\leq 10$  mA @ 24 VDC

Alarm Current  $\leq 30$  mA @ 24 VDC

Spectrum: 180~290nm

Detection Angle: 120 degree

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

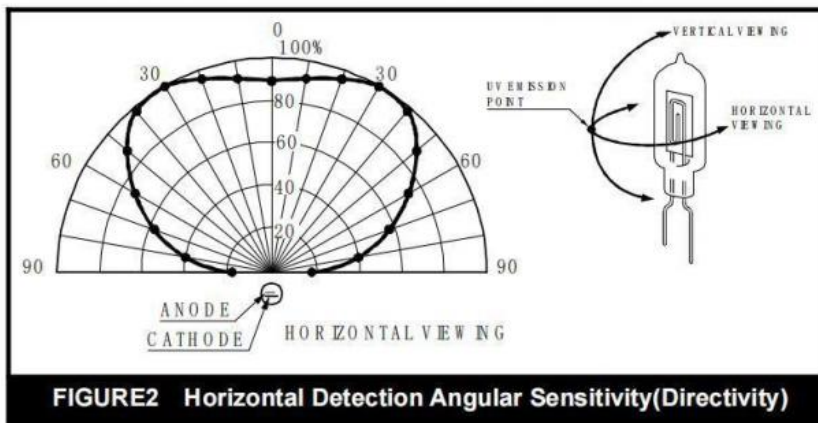
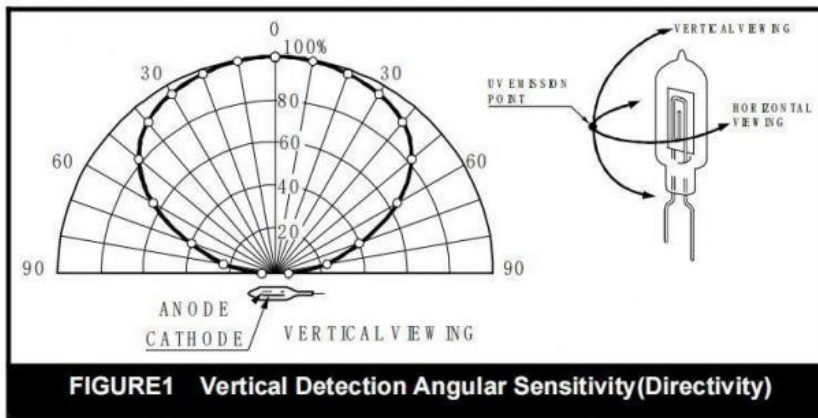
Relay Contact Load: 1A@DC24V

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:

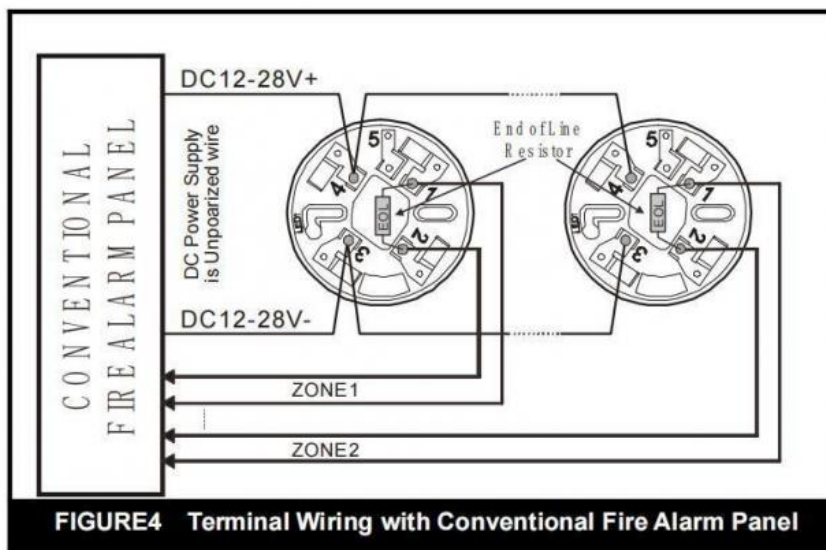
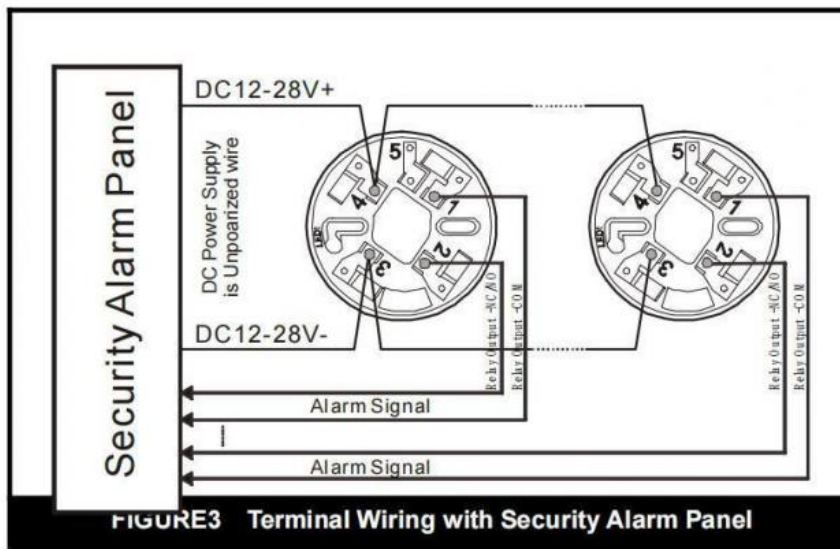
1. The flame behind the glass or transparent resin.

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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