Infrared Flame Detector Fire Alarm Flame Detector for Industrial Fire Safety Needs Explosion Proof Flame Detector

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: XHA
- Certification: CCC
- Model Number: KF715UVIR2
- Minimum Order Quantity: 1PCS
- Price: negotiable
- Packaging Details: 8pcs/Carton
- Delivery Time: 3 Working days
- Payment Terms: T/T, Western Union
- Supply Ability: 500pcs/month

Product Specification

- Detection Range: 1-40 Meters
- Response Time: Less Than 10 Seconds
- Mounting Type: Ceiling Or Wall Mounted
- Power Supply: 24VDC
- Alarm Output: Relay Output
- Humidity Range: 0-95% Non-condensing
- Fire Response Time: ≤10S
- Type: Infrared Flame Detector
- Operating Temperature: -10°C To 55°C

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Product Description

Explosion Proof High-Performance Infrared Flame Detector For Transportation And Storage Facilities

Introduction

Infrared (IR) flame detectors are specialized sensors designed to detect the presence of flames by identifying the unique infrared light signature produced by combustion. These devices are widely used in industrial and commercial applications to provide early warning of potential fire hazards.

The primary working principle of an IR flame detector involves monitoring the infrared radiation emitted by flames. Flames generated by the combustion of various fuels, including hydrocarbon-based materials, produce a characteristic infrared radiation spectrum that can be detected by the sensor. This allows the detector to distinguish the infrared signature of a flame from other heat sources or ambient infrared radiation.

Suitable places

1. Transportation, storage, production and other places for flammable goods;
2. Substation facilities, engine room, power station environments;
3. Places where open flames are strictly prohibited, such as liquefied gas stations, garages, gas stations, etc
4. Harsh environment and other environment where the other kind detectors are difficult to function.

Specifications

Working voltage	18V-32VDC
Interface	4"(Φ20mm) explosion-proof hose
Infrared Flame Detector Detection Angle	90 degree
Level of protection	IP66/IP65
Explosion Proof Level	Ex d IIC T6 Gb. Ex tD A21 IP66/IP67 T80
Alarm Status	≤40mA/24VDC
Fire response time	≤10S
Sensitivity	1m-40m can respond(0.1 m-1.3m)

| Working environment | humidity ≤95%RH, no condensation |

Instruction
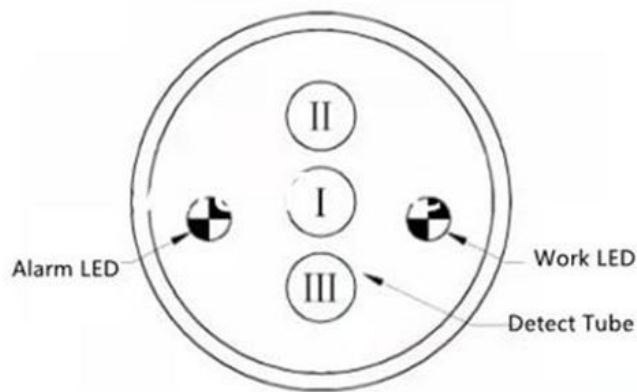
The green work indicator is steady on at the normal situation.
when the fire is found, The red alarm indicator is steady on. At the same time, the fire alarm relay is closed and the yellow/white lines are conductive, output the fire alarm signal.
The detector is a non-coding detector, which needs to connect the interface module when it is connected to the bus system.
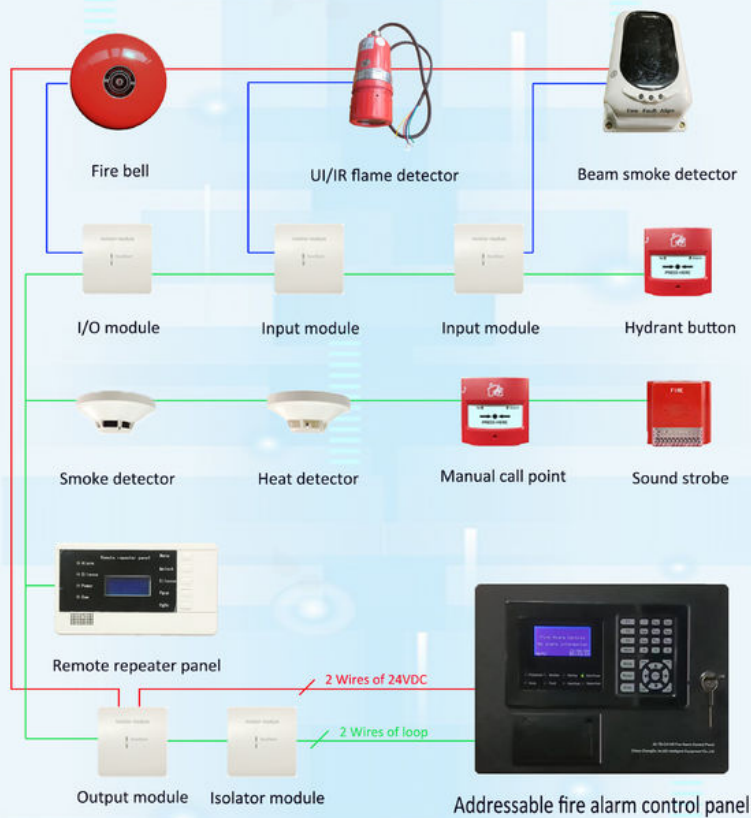
Wiring Instruction
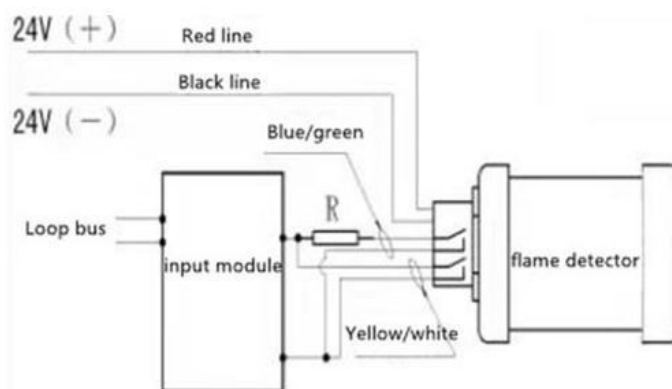
Red/black: 24V power line
Yellow/white:Alarm relay ouput, it is closed, normally open.
Blue/green:Fault relay output, it's open, normally closed.
Maintenance:
In order to keep in good work situation, it need arrange test to the flame detector every 3 months at least. Once the detector is damaged or not working properly, need to repaire or replace accordingly.

Connection Diagram Of Fire Alarm System

Fire bell — UI/IR flame detector — Beam smoke detector

I/O module — Input module — Input module — Hydrant button

Smoke detector — Heat detector — Manual call point — Sound strobe

Remote repeater panel

2 Wires of 24VDC

Output module — Isolator module

2 Wires of loop

Addressable fire alarm control 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 10 working days lead time.
5. Welcome sample order.

Shenzhen Xinhe'an Technology Co., Ltd.

+8615986702194　　Claire.tian@xinheantech.com　　xhafiresafety.com

406,Jude Building,Zhengfeng South Road,Fuyong Street,Bao'An District, Shenzhen City, Guangdong Province. China,518103

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406,Jude Building,Zhengfeng South Road,Fuyong Street,Bao'An District, Shenzhen City, Guangdong Province. China,518103