



High-Performance Infrared Flame Detector For Wide Range Of Fire Detection In Transportation And Storage Facilities

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: XHA
- Certification: CCC
- Model Number: YJLH101EX
- Minimum Order Quantity: 1PCS
- Price: negotiable
- Packaging Details: 10pcs/Carton
- Delivery Time: 3 Working days
- Payment Terms: T/T, Western Union
- Supply Ability: 1000pcs/month



Product Specification

- Detection Range: 1-40 Meters
- Power Supply: 24VDC
- Type: Infrared Flame Detector
- Response Time: Less Than 10 Seconds
- Mounting Type: Ceiling Or Wall Mounted
- Alarm Output: Relay Output
- Level Of Protection: IP66/IP65
- Operating Temperature: -10°C To 55°C
- Humidity Range: 0-95% Non-condensing
- Fire Response Time: ≤10S
- Highlight: **Transportation Flame Detector, High Performance Flame Detector, Wide Range Flame Detector**



More Images



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.

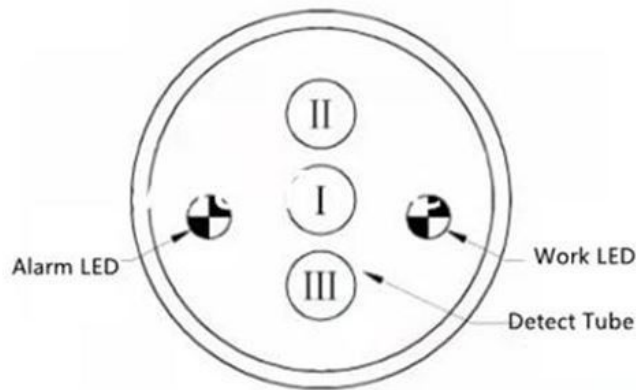
Suitable places

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)

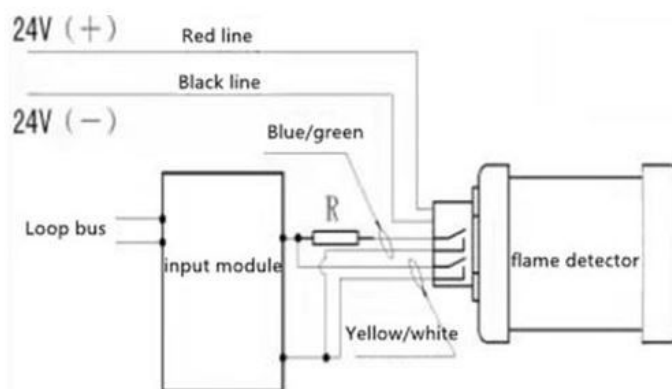
Instruction



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

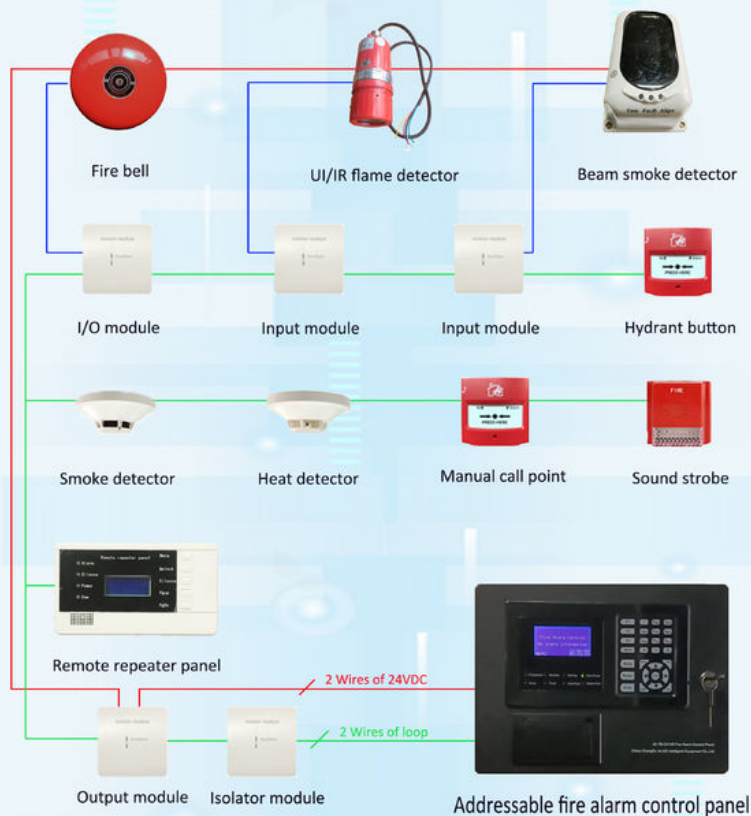
Yellow/white: Alarm relay output, it is closed, normally open.

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 repair or replace accordingly.

Connection Diagram Of 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 10 working days lead time.
5. Welcome sample order.



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