









Highly Advanced Sensor & Optics

IR Flame Detector RFD-FIR

Description

HASO The HASOTM IR Flame detector (RFD-IR) is the new flame detector using digital multi-processing technology. The IR flame detector senses radiation energy in the narrow wave-band of the infrared portions of the electromagnetic spectrum. The two IR sensors incorporate a special algorithm that prevents false alarm caused by solar radiation. This detector can be used a fire hazardous area such as related hydrocarbon flue.

Feature

- · Micro mini size
- · Designed by double wave length
- · Detection range: 17M
- · Do not work on light of the sun
- · Structures can be possible for wiring
- · Can installed large number of detectors with small capacity of power supplier system by low current design. (EX –50pcs of detectors can installed when used 1A of SMPS)
- · Can installed on P type receiver or R type relay without power supplier (option)
- · IP design (basic)
- · Explosion proof design (option)

General

· Spectral response : Infrared (Double wave length)

· Detection range : 17M

· Field of View: verticality 100°, horizontality 100

· Response characteristics: Typical 15 sec (4 steps sensitivity)

• **Temperature Range** Operating : -40°C to +80°C.

Storage: -50°C to +90°C.

· Humidity Range: 0 to 95% relative humidity

Operating Voltage : DC24V

· Power Consumption: Normal 6mA (Fire 30mA)



IR SPECIFICATION DATA

Output

· 2 wires coupling (option): Signal connection (P type seciever or R type relay)

- Normal : Open

- On fire: Connection (MAX: 15mA at 17~32V)

· 4 wires coupling : RELAY

Normal : Open (N.O) , connect (N.C)On fire : Connect (N.O) , Open(N.C)

- Level : 32VDC(5A), 120VAC (12A), 240VAC (10A)

· **DISPLAY** : High Bright RED LED

Initialization : For 5 sec LED turn offNormal : Every 5 sec LED turn off

- On fire: LED turn off

Mechanial

· CONNETOR is properly separated within design of LING TYPE or LOOP TYPE

· **Dimensions** : 103×107×45 (W×H×D)

· Enclosure Material : Aluminum

· Weight: About 0.7kg

· Conduit Entry Size : 1/2 inch PF × 2.