IR-0714/IR-0814

IR Flame Detector

IR-0814

IR-0714

Characteristics

• Built-in high performance Microprocessor that able to analysis flame signal more accuracy.

• IR sensor has better detection range than UV sensor.

• High immunity to sunlight or other noisy source.

Applications

• Premises with higher ceilings: theater, gym, storage, gallery or warehouse, etc.

• Places where fires happen easily: places storing with combustible goods, gas stations, factory working places, machine rooms, etc.

• Ventilate places: open markets, station platforms, hotel lobbies, department stores, etc. (places that smoke and heat can not gather during early period of fire)

• Others: tunnels, computer rooms, etc.

Specifications:

Model	IR-0714-2	IR-0714-3	IR-0714-4	IR-0814-2	IR-0814-3	IR-0814-4
Type	2-wire	3-wire	4-wire	2-wire	3-wire	4-wire
Alarm Contact	N/A	N/A	0.8A @ 30V DC 0.4A @125V AC	N/A	N/A	0.8A @ 30V DC 0.4A @125V AC
Sensor Type	Single IR			Dual IR		
Wavelength	4.35µm			4.35µm 3.40µm		
Standby Current @24V DC 470Ω	under 200µA			under 250µA		
Voltage Range	12V~30V DC					
Alarm Current @24V DC 470Ω	35mA					
Ambient Temperature	-10°C+55°C					
Material	Fire-proof plastic					
Dimensions	102 mm (Dia.) × 38 mm (H)					
Weight	130g	130g	145g	130g	130g	145g
Color	White					

Installation Instructions

1. Do not install detector that has fire source nearby.

2. Detection range and angle please refer to diagram as below.

EN54   LPCB
506g/01/02   CE 2831

Detection range and angle:

Level 1 : 25m = ±15°
Level 2: 17m = ±35°
Level 3: 12m = ± 45°
Level 4: 1.25m = ±45°

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