

# IR-0714/IR-0814



IR-0814

## IR Flame Detector



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 combustile 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.

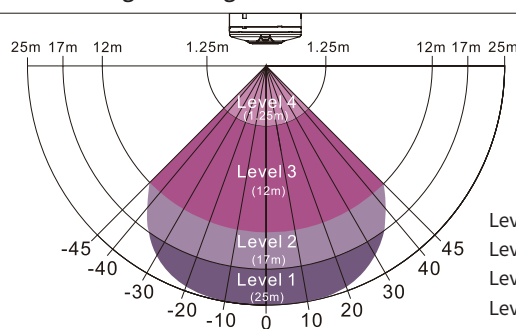
### Specifications:

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.

### Detection range and angle:



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

