

Infrared Dual-Technology Detector | OM-ACC-D302



The OM-ACC-D302 is a ceiling-mount passive infrared detector featuring MCU control and advanced signal processing for reliable intrusion detection with reduced false alarms. It automatically detects human movement within the coverage area and sends alert signals to the control host. Key features include dual temperature compensation, adjustable dual-polarity pulse, and resistance to white light and RF interference. The Fresnel optical lens and SMT manufacturing ensure stable performance. Selectable NC/NO alarm output and adjustable alarm duration (3/30 seconds) provide flexible integration. Ideal for computer rooms, communication base stations, power facilities, UPS rooms, battery banks, outdoor cabinets, warehouses, and other unattended sites requiring reliable security monitoring.

Specifications

Power Supply

Operating Voltage	DC 12V
Current Consumption	≤18mA

Detection Performance

Detection Distance	6 meters diameter (when ceiling mounted at 3.6m height)
Detection Angle	360°
Detection Speed	0.3m/s ~ 3m/s
Sensor Type	Dual-element pyroelectric infrared sensor

Environmental

Operating Temperature	-10°C ~ +50°C
Humidity	Max 95% RH (non-condensing)
RF Interference Immunity	10MHz ~ 1GHz, 20V/m

Installation

Mounting Method	Ceiling mount
Mounting Height	2.5 ~ 6 meters

Outputs

Alarm Output	NC/NO selectable, contact capacity DC28V 100mA
Tamper Output	NC, contact capacity DC28V 100mA
Alarm Delay	3 seconds / 30 seconds selectable
Warm-up Time	60 seconds

Indicators

Alarm Indication	Red LED
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Compliance

Standards	GB10408.1; GB10408.5
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Mechanical Specifications

Dimensions (Diameter × Height)	100mm × 36mm (including bracket)
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