Secureye

DATASHEET

Wireless
PIR Motion Sensor

Features

- Internal Wireless Antenna, long distance transmission;
- Learning code, easy to assign to the alarm panels;
- Tamper Switch for protecting the to avoid opened;
- Newly-developed dual element passive infrared sensor unit;
- Wireless transmitting digital signal to control panel;
- Intelligent MCU inside, eliminate false alarm;
- Low power alert by buzzer sounds;
- Microcontroller temperature analysis and Automatic temperature compensation for best summertime detection;
- Tightly-mated bug guard to protect the sensor optics from insects, spiders and dust;
- Selectable detection sensitivity (standard/high) for different environmental requirements;
- SMT adopted, RF and EMI Immunity;
- Low power consumption, long battery life;
- Adjustable detection time span(4minutes or 8 minutes).

CE FC RoHS COMPLIANT

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The wireless PIR Motion detector is an INPUT DEVICE, The PIR-500 PIR motion detector is designed to provide detection of criminal intrusion through door frames and window frames into a protected area by sensing infrared energy (heat) emitting from an intruder's body moving through a protected area. The MOTION SENSOR is commonly referred to as a PIR, which stands for passive Infrared. Upon detection of intrusion, the PIR-500 automatically generates an alarm signal to control panel. The sensor also provides a tamper contact output. The unit is RF and EMI Immunity to interferences produced by radio device. The unit is can be wall-mounted by means of a bracket.

Specification

Model	PIR-500
Operating Voltage	9V Laminated Battery
Detection Range	Vertical angle 60degree, Horizontal angle 110 degree, 12m
Standby Current	less than 12uA
Alarm Current	less than 22mA
RF Immunity	> 20 V/m 10 – 1000 MHz
Sensitivity	> 3300V/W
Noise(Vp-p)	<200mV, (mVp-p)(25°C)
Transmitting Freq.	415MHz
Transmitting Distance	minimum 100m(in the open area)
Temperature Range	-10°C to +50°C
Relative Humidity	90% (25°C)
Installation Mode	Wall mounted by bracket
Installation Height	2~2.3m
Housing	High-impact ABS
Dimensions	107x59x45mm (HxWxD)
Applications	For indoor use. Corridor, Office, Room, Museum, Library, Finance Room, Warehouse, etc.