

PS-6609 Outdoor Motion Detector Combined Double PIR & Microwave technology, Pet Immune and Weatherproof.

The 6609 is a triple-technology outdoor digital detector designed for ultimate false alarm immunity. In this microwave supervised motion detector, digital processing software treats the infrared detector as the dominant unit, and seeks microwave confirmation of detected signals only in the presence of infrared detection. Without this mandatory “second opinion”, an alarm cannot be generated. PS-6609 implements a new generation of patented technologies, including advanced microwave DRO front-end utilizing Digital Signal Processing, MW motion simulation for periodic self-testing and True Motion Detection Technique (TMDT) using Fuzzy Logic algorithm. For example, wind and waving leaves will not cause false alarm. The result is the industry's best detection accuracy, false alarm immunity and ultimate long-term reliability - in an elegant, durable and easily installed professional device designed for harsh environments. 6609 has classic elegant design suitable for any residential, commercial and industrial environment. In addition, it has the following features:

- 4-dimensional, all-in-one motion detector.
- Two synchronized PIR sensors.
- Auto Background analysis
- Selectable PIR detection sensitivity.
- Selectable Microwave detection sensitivity.
- Selectable detection technology combination.
- Memory latched input.
- Auto temperature compensation.
- Weatherproof casing
- Multi-directional mounting bracket



SPECIFICATION

Model	PS-6609
PIR Sensor	Two synchronized rectangular dual element low noise high sensitivity pyroelectric sensor
Microwave Frequency	10.525 GHz
PIR Sensitivity	Adjustable by variable resistor
Microwave Sensitivity	Adjustable by variable resistor
Selection of Detection Mode	Microwave + PIR or Microwave
Processor	Microprocessor controlled
Sunlight/Strong Light Filter	Built-in white light filter
Temperature Compensation	Auto Digital
Microwave Indication	Yellow LED on for 2 seconds
PIR Indication	Red LED on for 2 seconds
Alarm Indication	Red and Yellow LED flashes for 2 seconds
Alarm Contact	N.C. and N.O. relay, 0.25A/50V DC
Tamper Switch	N.C., 0.1A/28V DC
Warm-up Time	1 minutes
Detection Speed	0.1-5 m/seconds
Coverage Distance	12m x 110°
Pet Immunity	Up to 45 kg
RFI Immunity	Greater than 20V/M, DC to 1GHz
Memory	Memory latch input
Weatherproof	IP65
Power Supply	10-16V DC
Current Drain	24mA @12V
Operating Temperature	-20° C to 70° C
Humidity	95%
Dimension WxHxD	95x168x65mm
Weight	203g

