WIRELESS PIR MOTION DETECTOR MANUAL

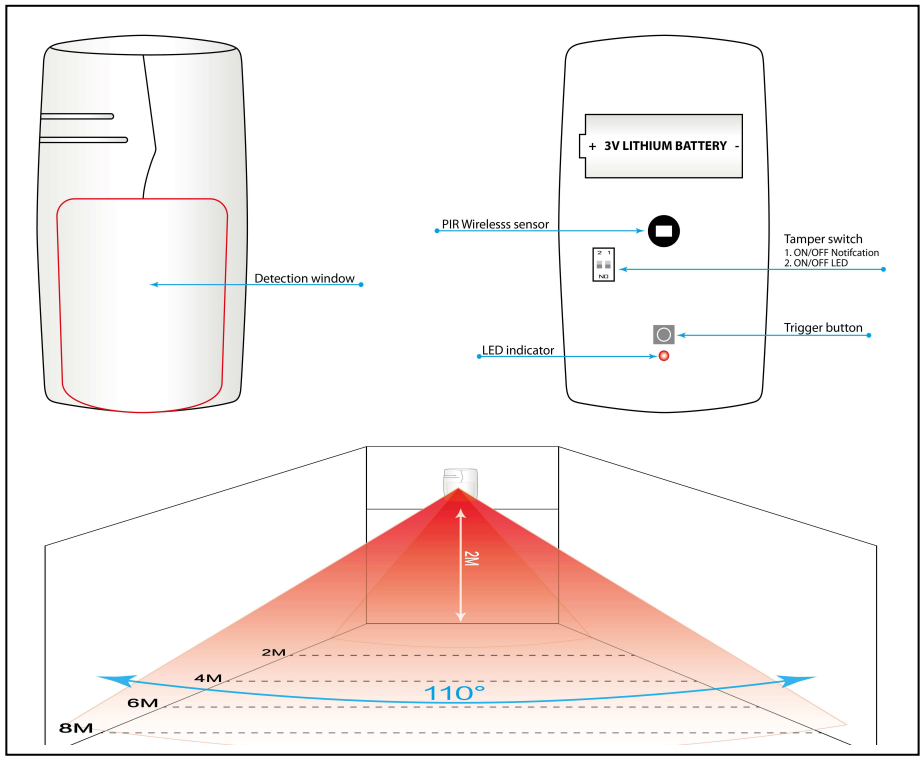
FEATURES:

PIR is a high performance wireless P.I.R. motion detector.
It consists of digital dual-core fuzzy logic infrared control chip and intelligent analysis which effectively identify interference signals from body movement signals and reduce false alarm rate. With automatic temperature compensation and anti-air turbulence technology, it easily adapts to environmental changes. The detector also has the advantages of energy saving, reliability and easy installation.

①The low-voltage monitoring system would send low-voltage signals when the built-in batteries require for a timely replacement.
②Users with pets of less than 25KG can safely use it.
③With high-capacity built-in batteries than can be used for more than 2 years.

TECHNICAL PARAMETERS:

■Input voltage: 3V(1300mAH)
■Static current:≤60uA
■Alarm current:≤10mA
■Detection scope:8m/110°
■Pet immunity:≤25kgs
■Alarm indication:LED red
■Radio frequency:315MHz/433MHz（±75KHz）
■Transmitting distance:≤80m (in open area)
■Operating temperature:-10℃～+50℃
■Humidity:≤85 %



Motion Sensors

PWM 200

PWM 300

General Description

PIR sensors allow you to sense motion, almost always used to detect whether a human has moved in or out of the sensors range. They are small, inexpensive, low-power, easy to use and don't wear out. For that reason they are commonly found in appliances and gadgets used in homes or businesses. They are often referred to as PIR, "Passive Infrared", "Pyroelectric", or "IR motion" sensors.

PIRs are basically made of a pyroelectric sensor which can detect levels of infrared radiation. Everything emits some low level radiation, and the hotter something is, the more radiation is emitted. The sensor in a motion detector is actually split in two halves. The reason for that is that we are looking to detect motion (change) not average IR levels. The two halves are wired up so that they cancel each other out. If one half sees more or less IR radiation than the other, the output will swing high or low.

Motion Sensors (PWM 200 - PWM 300)

Model No.	MS-PWM 200	MS-PWM 200
Operating voltage	9 V battery	3 V battery
Battery life	8-12 months	8-12 months
Sending frequency	433MHz	433MHz
Radio distance	≤ 100 m (open area)	≤ 100 m (open area)
Static Current	≤ 40uA	≤ 60uA
Alarm Current	≤ 15mA	≤ 10mA
Working environment	-10℃~+50℃	-10℃~+50℃
Antenna	Outside	Built-in
Detection Scope	8m/110º	8m/110º
Humidity	≤ 85%	≤ 85%
Pet Immunity	N/A	25 Kgs