

AW-7201P – Wireless PIR Curtain / Window Detector

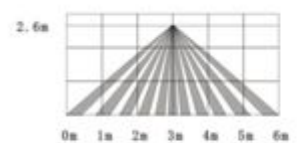
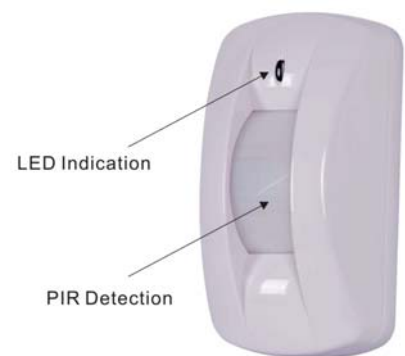
Intelligent Direction Recognize / Pet Immunity

User Manual

AW-7201P is wireless PIR curtain (window) detector with pet immunity, with **intelligent direction recognize function**, it adopts PIR technology intruder detector designed to detect human body temperature in a protected area, digital processing ensure a high immunity to false alarms and outstanding stability, it uses a sophisticated radio communication protocol with a high level of data safety, the detector make auto testing and report its status to the alarm panel for full supervision regularly, built-in tamper switch trigger alarm if there is any attempt to tamper with the detector, auto testing mode make testing in ease.

Features:

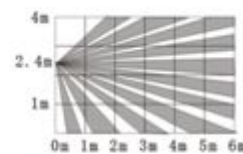
1. anti-white light with spherical lens and sealed optical design
2. adopts self-designed MASK chip with DMT technology
3. Anti-EMI >30V/m(30MHz~1GHz) / Anti-White Light >8000LUX
4. reliable detection performance with passive PIR technology
5. wireless detection distance: 6m@25°C / detection angle: 20°
6. wireless emitting distance is 120 ~ 150 meter (in open area)
7. pet immunity under ≤ 25kgs
8. wireless emitting frequency is 433MHz / 868MHz
9. working voltage is 3.0V DC (2pcs LR6 AA 1.5V Alkaline Battery)
10. installation height: wall mounting 1.6 ~ 2.4 meter / ceiling mounting 2.5 ~ 4 meter
11. consumption current is 25uA(static)/10mA(alarm)
12. LED indication: Red LED is alarm, Blue LED on and Red LED off is detect signal, but wrong direction
13. operation temperature is -10°C to +50°C (14°F to 122°F)
14. storage temperature is -20°C to +60°C (-4°F to 140°F)
15. dimension is 90*50*40mm / ivory white color



ceiling mounting side view



wall mounting top view



wall mounting side view

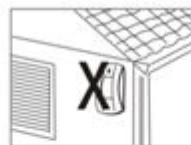
Installation:



Don't face cold or heat source



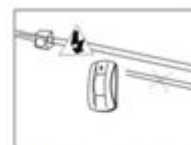
Don't open the window in protected area



Don't install or using for outdoor



Don't face the sunshine directly



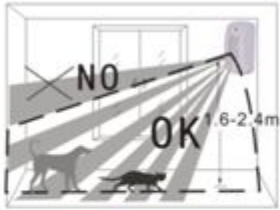
Don't install near electric cables



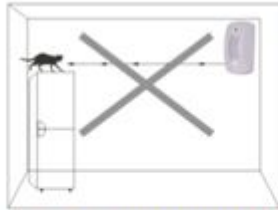
Don't install on a unstable base

Note: can choose underside installation, 25° wall installation and bracket installation, **bracket installation** is the most convenient way.

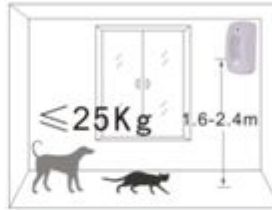
Installation Guide for Pet Immunity:



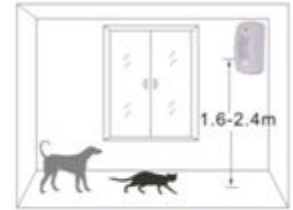
top part of detection area is non pet immunity area



don't face the detector to the place that pets can climb up directly



pet immunity $\le 25\text{kgs}$



pet immunity install height is 1.6 - 2.4 meters for wall-mounting

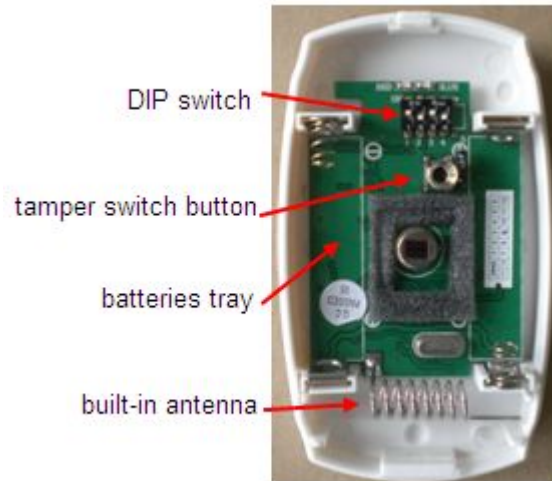
DIP Switch Function:



DIP 1 & 2 - working mode option
 DIP 3 - direction recognize switch
 DIP 4 - direction convert switch

DIP 1 & 2 working modes setup:

DIP 1	DIP 2	Working Mode
ON	OFF	Testing
OFF	ON	Normal / Saving
OFF	OFF	Coding



Setting 3 different working modes as below:

Testing Mode: sending the wireless alarm signal when detector had been triggered, no time interval between two signal sending.

Normal/Saving Mode: every 2.5mins detect one time, every 65mins sending one wireless monitoring signal to report the status of detector and battery.

Coding Mode: press tamper switch button for 3 seconds, and then send out a wireless code to alarm panel.

Direction Recognize Function:

DIP 3 is direction recognize switch, when set this switch "ON" direction recognize function is effective, when set it "OFF" direction recognize function is ineffective.

DIP	Function	factory default
DIP 3	Direction Recognize Switch	OFF
DIP 4	Direction Convert Switch	OFF

DIP 4 is direction convert switch, if set this switch "OFF" the detect direction from left to right, if set this switch "ON" the detect direction from right to left.

Note: within 5 meters it can recognize direction clearly, but if over than 5 meters will cause false discriminate.

Note: setup on Test Mode and turn on Direction Recognize function, the detector will not make the alarm under below conditions:

1. user pass from the legal area to trigger detector;
2. user pass from the illegal area within 15 seconds to trigger detector.

Note: setup on Normal/Saving Mode and either Direction Recognize function on or off, 3 seconds delay time for each trigger.

Coding Method:

(between detector and wireless alarm control panel)

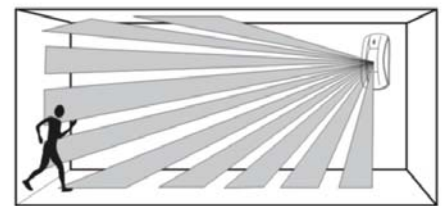
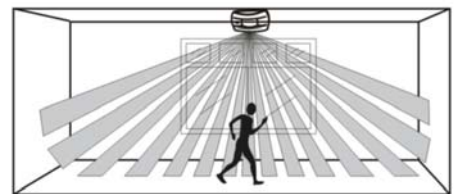
1. detector on coding mode, place the alkaline battery and LED light will flash few seconds; alarm control panel on wireless coding mode (please refer alarm control panel user manual), press tamper switch button 3 seconds to sending the wireless signal to alarm control panel, if alarm control panel make the corresponding indicate sound, it means match code successfully.
2. alarm control panel on manual coding mode, enter the 9 digit address code to match, this will be a higher probability of coding success.

Change Battery:

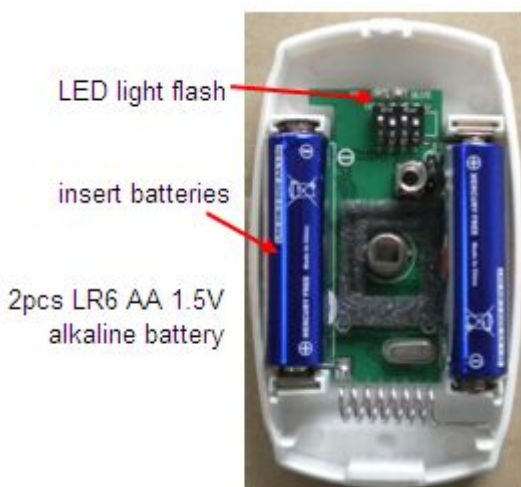
when detector's battery has a low power, LED light flash, it means the low battery situation, and it also can send out a low-power signal to alarm panel. (2pcs LR6 AA Size 1.5V Alkaline Battery)

Walk Testing on Cover Area:

1. detector on testing mode, DIP 1 on and DIP 2 off;
2. horizontal movement which triggers detector alarming at the remote of the detection coverage at the speed of 0.75m/s, the LED light indicator will flash few seconds;
3. testing in different direction to confirm the two boundaries of the coverage, ensure the detector is appointed to the central desired area, DIP 4 on or off;
4. the centre of detection area should not be towards vertical incline, if can not obtain an ideal detection area, please adjust the vertical angle to ensure direction for detector neither high or low;
5. once detection angle is adjusted, walk testing must be performed again;
6. please set detector to normal mode (DIP 1 off and DIP 2 on) after finished walk testing.



Warning: we are not responsible for the problem caused by improper operation or change the product configuration, it may lose the authority of product warranty!



How to open the detector correctly ?

