

AW-7102B – Wireless / Wired Compatible

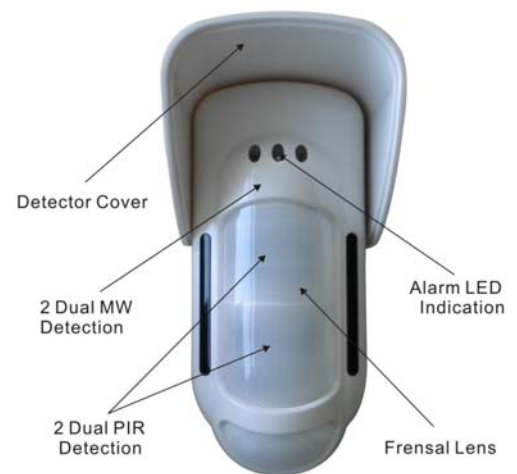
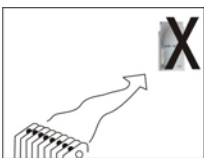
Outdoor 2 Dual PIR + 2CH MW Wall Mounting Detector

User Manual

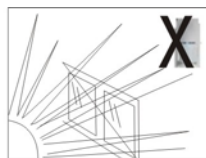
AW-7102B is wireless / wired compatible, 2 dual PIR and Microwave digital technology, adopts self designed mask with DMT technology (anti masking function), digital pulse count adjustable, auto temperature compensation and energy analysis, pet immunity under 25kgs, excellent false alarm prevention with look down window to avoid blind corner, Microwave anti collision feature that enables detectors to be installed adjacently or face to face without interference, unique waterproof design, adopts refined frenal lens, uses IR leading wave technology to reach real physical area superposition of PIR and MW areas, the best choice for indoor/outdoor intrusion detector for military, industrial, commercial, residential areas.

Features:

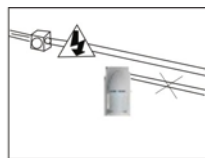
1. 2 dual PIR + MW digital technology
2. adopts self designed mask with DMT technology – anti masking function
3. digital pulse count adjustable for each PIR detection separately
4. pet immunity < 25kgs
5. detect range up to 15m – 27m based on frenal lens fitted
(Frenal lens model RL300F – 15m/25°; RL300B – 12m/110°; RL-300 – 15m/110°; RL300LR – 27m/15°)
6. alarm indication LED (red light) / pretrigger single indication LED (green light)
7. unique waterproof design IP 65 rating
8. built-in anti remove button / anti-white light switch
9. anti -EMI >30v/m(30mhz-1ghz) / anti white light:>15000 lux
10. wiring indication when connect with external power adapter or control panel
11. wireless emitting / receiving distance 200m (in open area)
12. wireless emitting frequency: 433MHz / 868MHz
13. working voltage: 6vdc
14. built-in 5pcs 1.2V/1000mA rechargeable Ni-MH battery (optional, standard package not included battery)
15. adjustable bracket to match different detect angle requirement
16. external power adapter - consumption current is $\leq 18\text{mA}$ (static) / $\leq 30\text{mA}$ (alarm)
17. built-in Ni-MH battery - consumption current is $\leq 18\text{mA}$ (static) / $\leq 80\text{uA}$ (alarm)
18. installation height 0.8m-2.4m / installation/wall/pole/barrier mountable with wide rotation design range
19. working temperature: -10 c- +50c
20. dimension is 220*100*120mm / ivory white color

**Installation:**

Don't face cold or heat source



Don't face the sunshine directly



Don't install near electric cables

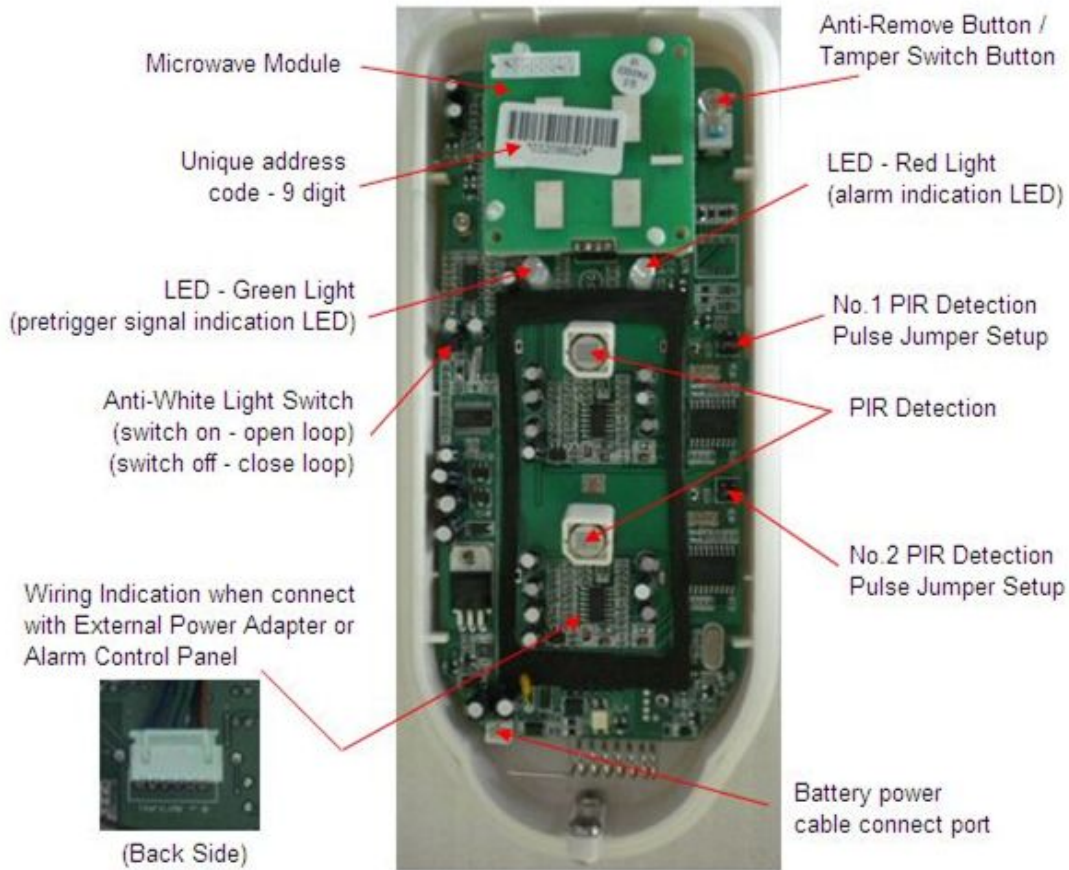


Don't install on a unstable base



Don't face the metal wall

Inside PCB Board Configuration Indication Diagram:

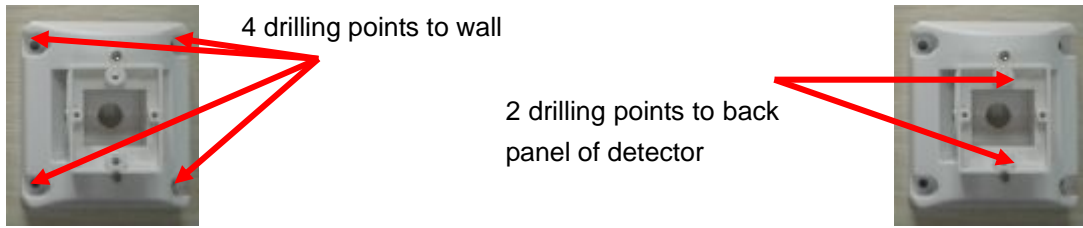


Installation Steps:

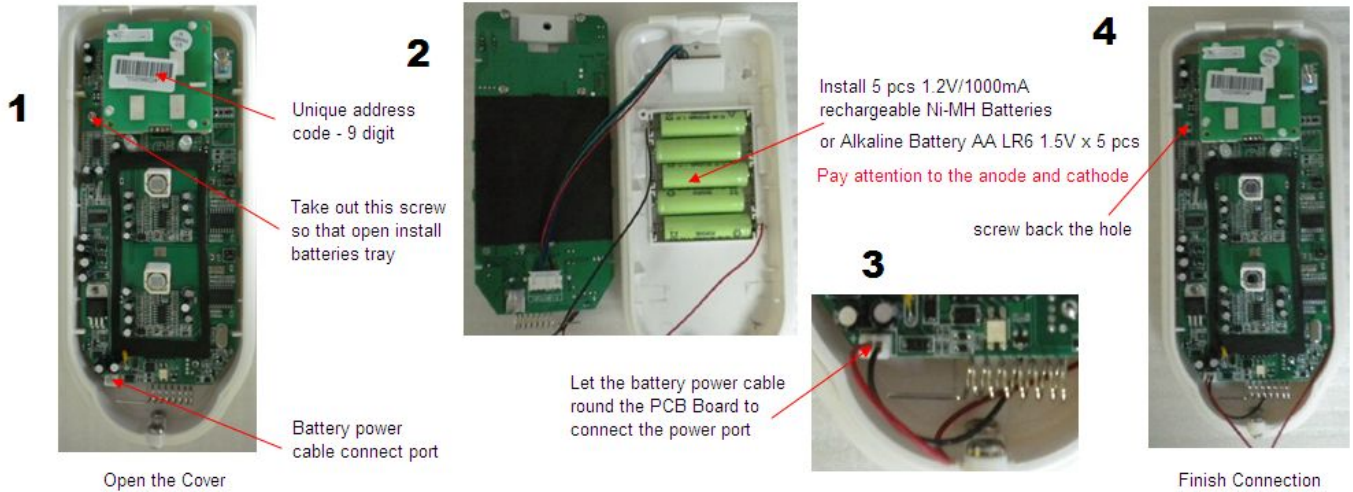


1. hold the adjustable bracket against the mounting surface and mark the 4 drilling points through the mounting holes.
2. drill the holes and fix bracket to the wall using the screws with countersink heads which had been packed in the package;
(better install 2-3 meters higher than floor, more for the corner installation)
3. hold the adjustable bracket against the back panel of detector and mark the 2 drilling points through the mounting holes.
4. drill the holes on back panel and fix bracket on it using the screws with gasket which had been packed in the package.

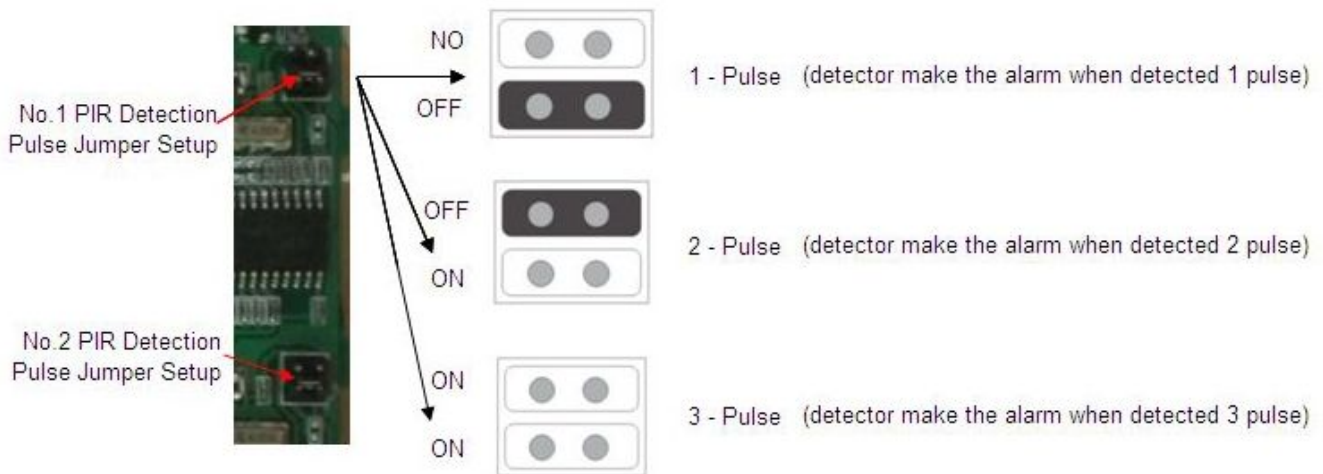




Installation Battery:



PIR Function – Pulse Setup:



Note: more pulse counting, the lower performance for sensitivity of capture, but more pulse counts can reduce fales alarms.

Coding Method:

(between detector and wireless alarm control panel)

1. detector on normal mode, place the 5pcs either Ni-MH or 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 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.

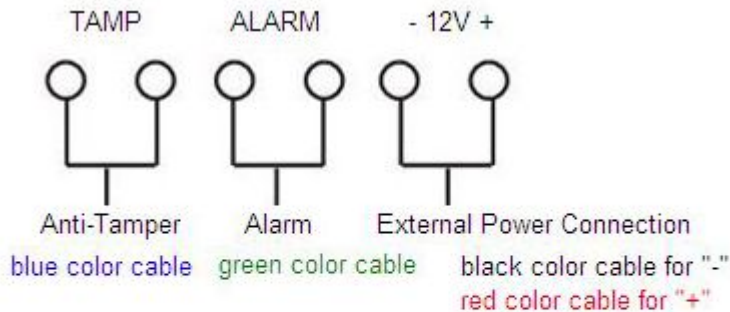


Change Battery:

when detector sending the wireless signal, LED light flash, it means the low battery situation, and detector also can sending the low battery alarm indication to alarm control panel.

(5pcs AA size 1.5V Alkaline Battery or 5pcs 1.2V/1000mA rechargeable Ni-MH Battery)

Wiring Diagram:

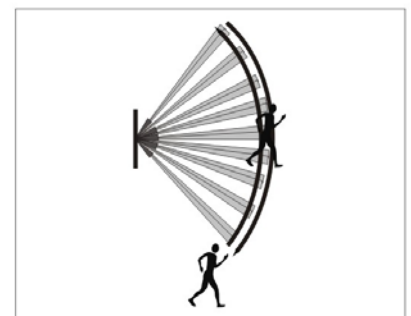


Note:

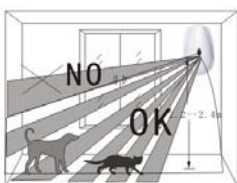
1. when external power on for 2 - 10 mins, alarm output will be on N.C. mode
2. when external power off for 2 - 10 mins, alarm output will be on N.O. mode, and keep working under low consumption wireless mode

Walk Testing on Cover Area:

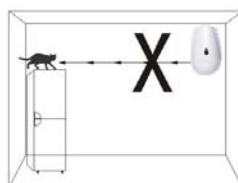
1. wait for 2 mins after power on, and then start walk testing;
2. horizontal movement which triggers detector alarming at the remote of the detection coverage at the speed of 0.75m/s, the LED light indicator will flash 2-3 seconds;
3. testing in different direction to confirm the two boundaries of the coverage, ensure the detector is appointed to the central desired area;
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 after finished walk testing.



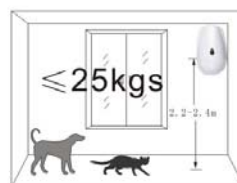
Installation Guide for Pet Immunity:



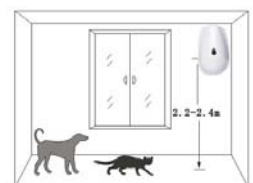
Top part of detection area is non pet-immunity area



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



Pet Immunity ≤ 25kgs



Pet immunity Installation height is 2.2 – 2.4 meters

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!