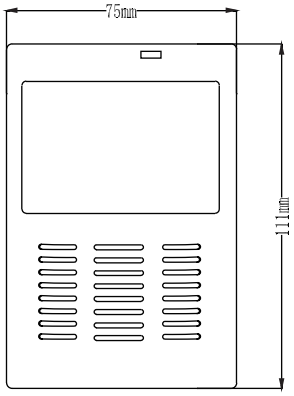
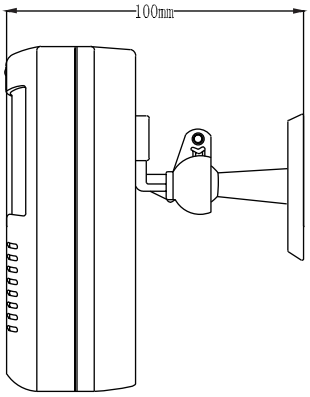
■ Passive Infrared Detector
PD-AL9 instruction





PD-AL9 is a new type of human infrared sensor, it adopts high sensitivity detector and SMD technology. It gathers sense and emission; when one enters its sense range, it sense and at the same time it emit signal to suited receiver(any receiver of our company).

FEATURES

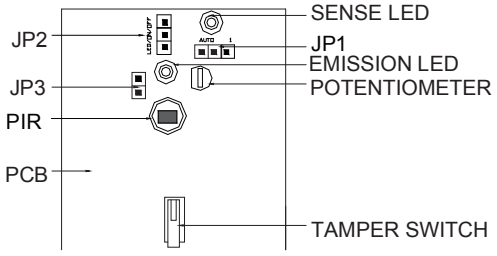
- Battery powered and no wiring required;
- Tamper design, when the front cover is removed, the unit will emit signal at once;
- LED indication: sense and emission indicator.

SPECIFICATION

Power supply: DC9V	Sense motion speed:0.6~1.5m/s
Static current: 25 μA	Working temperature: -10~+40 ºC
Detection range: 11m	Working humidity:<93%RH
Detection angle:100º	Installation height:2m
Emit distance: ≥30m	Frequency:433MHz ☐ 315MHz ☐

JUMPER AND POTENTIOMETER SETTING (like following figure)

JP1	AUTO 1	AUTO 1
	EMIT SIGNAL after SENSE 1 TIMES	EMIT SIGNAL after SENSE 2 TIMES
JP2	LED/ON/OFF	LED/ON/OFF
	LED disable	LED able
POTENTIOMETER	FUNCITON:adjust emisson delay	adjust deasil to the maximum position(2.5mim) adjust widdershins to the minimum position(0sec)

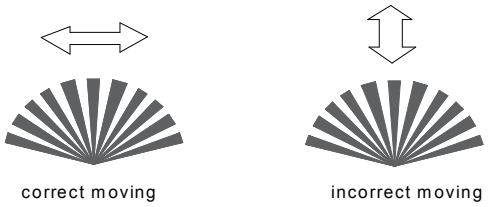


TEST

Fix 9v battery, after 60s the sensor enters working state:

a. Set JP1 on the right "1"position, JP2 on the "LED/ON"position (working state of emission after sense one time) , adjust potentiometer anti-clockwise to the minimum position: Move along the lens tangent in the sense field, the sensor senses (the sense LED works), and then it emit signal to suited receiver (emission LED works), the emitting time should be 3~4s, if sense continually, only 10s later after it emit for the previous time, it emit again.

b. Set JP1 on the right "AUTO" position, JP2 on the "LED/ON" position (working state of emission after sense 2 times), adjust potentiometer anti-clockwise to the minimum position : Move along the lens tangent in the sense field, the sensor senses (the sense LED works), emission LED won't work, sensor won't emit signal; sense again, the sensor senses(the sense LED works), then it emit signal(emission LED works), the emitting time should be 3~4s.



c. Delay test: set JP1 on the right "1"position, JP2 on the "LED/OF" position, adjust the potentiometer clockwise to the maximum position, sensor senses (the sense LED works), in the case of no sense and after about 2.5min, emit signal (emission LED works), the emitting time is 3~4sec.

d. Tamper test: open the front cover, it will emit signal and the emitting LED on.

ATTENTION

- You should choose installation position where the moving object can move breadthwise with sensor(like right diagram);
- The unit should be checked by walking test periodically to assure proper operation;
- If the unit does not work properly, immediately replace the batteries and retest the unit ;
- Avoid installing the unit on the metal base;
- No block is allowed between the unit and desired area of detection;
- The unit and its detection area should not be exposed to direct sunlight, heaters, electric fans, etc.

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