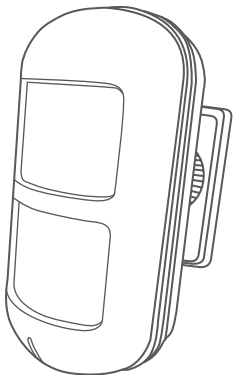


# EVOLVEO

## Salvarix

wireless PIR sensor pet immune



### I. Brief Introduction

This product is Wireless dual pet Immune PIR Detector, adopting a number of advanced analysis techniques of dynamic threshold adjustment, artificial intelligence process etc. According to Infrared spectra from human body to do intelligent analysis and quantum chemical calculation, then compared to the current environment temperature, analyze the influence of the environment, accurately send alarm for the movement of the human body, make sensors more stable, more effectively avoid false alarm caused by pet. This product must work with our company's main panels, then can be used.

#### Applicable place:

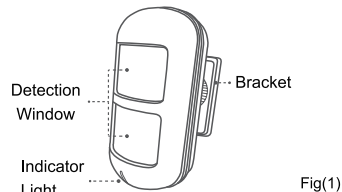


#### Feature:

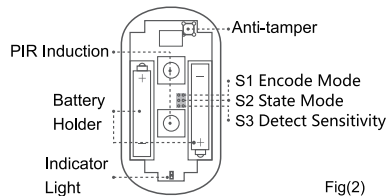
- Adopt high-end double infrared sensor and artificial intelligent algorithm technology.
- Two independent detection windows, immunity to pets weighing below 25kg.
- Dynamic threshold adjustment technology, with good resistance to light and electromagnetic interference.

- Detection sensitivity is adjustable to meet different environmental requirements.
- Unique intelligent power saving mode, can prolong battery life.
- Built-in 2262 and 1527 encoding, can work with most alarm panels in the market.
- Adopt SMT manufacturing, more reliable performance.

### II. Understanding of Products



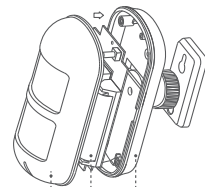
Fig(1)



Fig(2)

**Note:** red LED light is on, means alarm.

### Mounting Diagram:

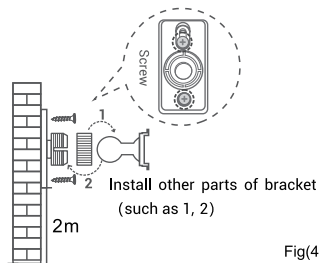


Fig(3)

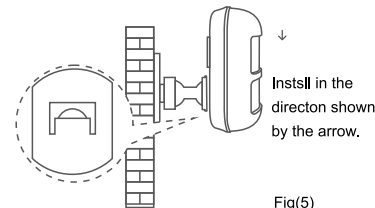
Panel Shell PCB Bottom Case

### III. Install

#### • Fixed Installation:



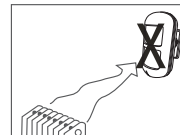
Fig(4)



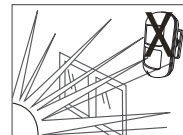
Fig(5)

#### • Installation Notes:

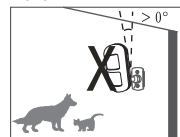
Please install the detector on a fixed and hard wall (no shaking), and the places where intruder easily passes. Also keep it away from the below situations to avoid false alarms.



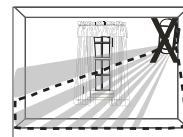
Avoid hot/cool equipment;



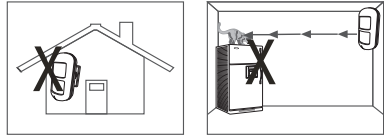
Prevent direct sunlight;



Please install vertical;



Avoid swing things like curtain;

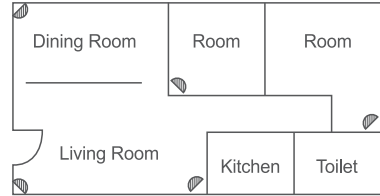


Do not install outdoor;

Prevent 1-1.8 meters objects before this detector.

Fig(6)

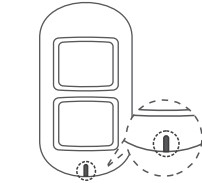
• **Mounting Recommendations:** install on the place easily to intrude.



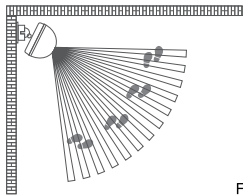
#### IV. Walk Testing

- 1.Power-on,red light flashing, self-inspection state, about 60 seconds later the red light out then detection state, don't detect the external signal when self-checking
- 2.In work mode,when the upper detection window and lower detection window are

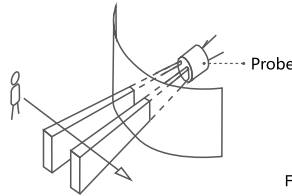
triggered within 2.5 seconds, will be treated as valid alarm signal, LED red light on, meanwhile this detector send RF alarm signal to alarm host. 3.After install the detector, do walk test in front of the detector.



Fig(7)



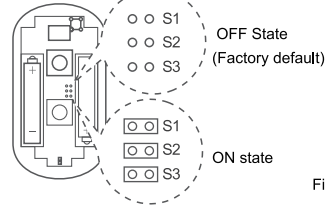
Fig(8)



Fig(9)

#### V. Function Declaration

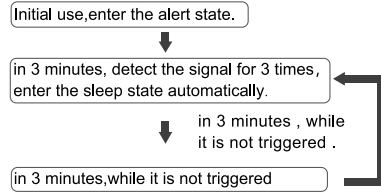
##### ① Jumper Function



Fig(10)

Jump Cap	Function	ON(with Jump Cap)	OFF(no Jump Cap)
S1	Detector coding mode selection	1527 coding	2262 coding
S2	Detector state mode selection	Test pair mode	Work mode
S3	Detector sensitivity selection	Weak	Strong

##### ② Smart Power-saving Diagram



#### Note:

Test mode:Someone move will trigger the alarm, LED red light on, and send RF alarm code;  
 • Work (Smart power saving) Mode: if power on within 3 minutes triggered 3 times continuously, this detector will go into smart power saving mode(the red light quickly flash 3 times), this detector won't send alarm signal; 3 minutes later, this detector will quit power saving state automatically(quickly flash 3 times), go into alert state again.  
 If this detector is not triggered 3 times continuously, this detector will always be the state of alert, and restart next 3 minutes count.

##### ③ The Code:

After the main panel enter the code state, turn the detector into the code state (See the previous step in Figure 10), the person walking by hand waving in front of the detector to trigger the detector to send the code (while the indicator red light on). After the host receives success, it prompts the coding successfully. Finally, the host exits the code status and switches the detector back to the working mode.

##### ④ Low-Power Detection:

To reduce the power dissipation, check the battery whether low power or not every 40

seconds. When voltage is less than 2.5v, LEindicator will flash 5 times every 40 seconds and send lower power code.D

#### VI Technical Parameters

Operating voltage	DC3V (two AA LR6 AM3 1.5V)
Quiescent current	≤ 18uA
Working current	≤15mA
Detection range	7-9 meters
Wireless transmission distance	70 meters (open area)
Detection angle	80 °
Detection of walking speed	0.3 m / s -3 m / s
Self-test time	≤ 60s
Alarm Indication	Red LED light
Infrared sensor	2 pairs of pyroelectric infrared sensor
Wireless transmission frequency	447.7MHz
Relative humidity	5% -95% RH (no condensation)
Installation	Wall or corner installation
Installation height	1.7 m - 2.2 m
Storage temperature	-10 °C - +65 °C
Detector size	107x52x41mm (without bracket)