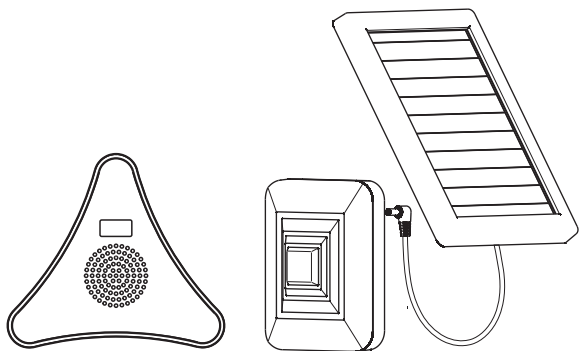


Wireless Alarm System

User Manual



1. Configuration List

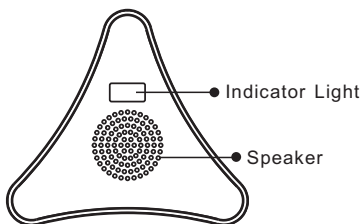
Wireless Alarm Receiver	1 piece (includes 1 power adapter)
Wireless Radar Sensor	1 piece (includes 1 set installation accessories)
Solar Panel	1 piece (includes 1 set installation accessories)
English Manual	1 piece

Note: The alarm system has been programmed already, please operate the system according to the part 3 of the manual;

If you want to add additional HTZSAFE sensors to the system, please operate the system according to the part 4 of the manual or contact us directly;

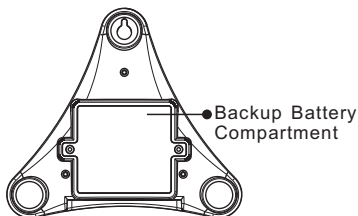
2. System Components And Usage

Wireless Alarm Receiver

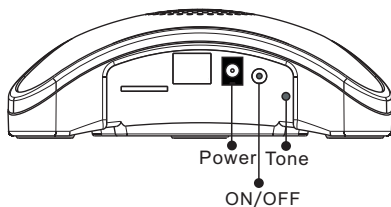


Indicator Light: Will be red if power on; Will flash if on setting mode

Speaker: Will alarm for several seconds if the sensor be triggered



Backup Battery Compartment: 4 pieces AA 1.5V batteries (can keep the wireless alarm receiver working continuously for 100 hours if AC power off)

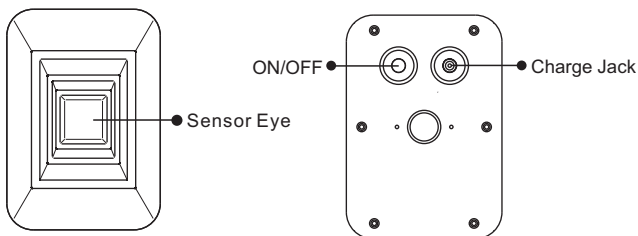


Power : power jack(DC5V)

ON/OFF: power switch(turn on/off the wireless alarm receiver)
set button(add/delete the sensors of the wireless alarm receiver)

Tone: Choose the ring tones(total 35 ring tones optional)

Wireless Radar Sensor

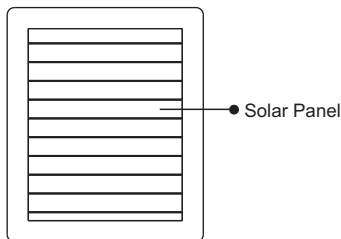


Sensor Eye: detect the objects

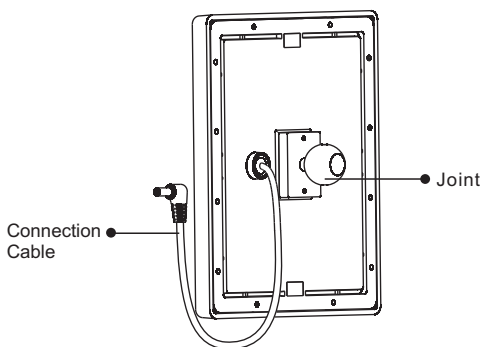
ON/OFF: turn on/off the radar sensor

Charge Jack:used to connect the solar panel or DC5V power adapter

Solar Panel



Solar Panel: charge the battery of the radar sensor(face to the sunlight as possible as you can)



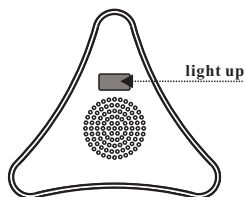
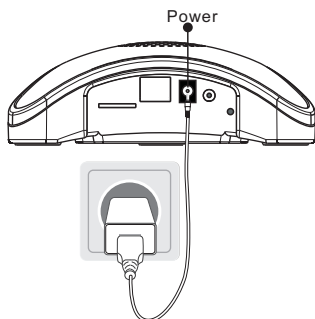
Joint : used to fix the solar panel to the installation accessories and the direction is adjustable

Connection Cable: the length is 3 meters, used to connect to the charge jack of the radar sensor

3. Operation Instructions

Step 1

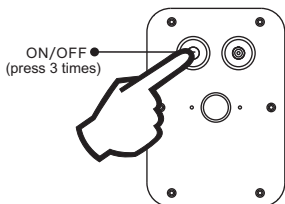
Power on the wireless alarm receiver by the power adapter.



(Indicator light up means the wireless alarm receiver works normally)

Step 2

Turn on the Wireless Radar Sensor: Press the ON/OFF button 3 times

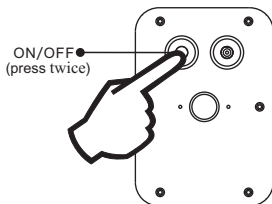


(bleep prompt means work normally)

Step 3

Trigger The Wireless Radar Sensor

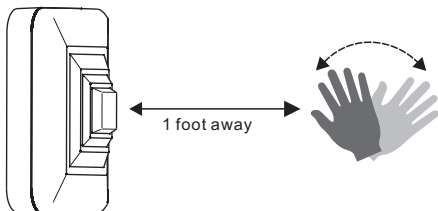
1st method: press the ON/OFF button twice



(the light of the ON/OFF button will flash once means the radar sensor was triggered and sent the alarm signal)

2nd method: stay still for 10 seconds, and then wave your hands in front of the sensor to activate

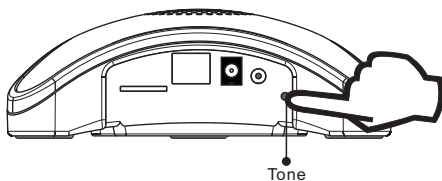
Note: within 30 minutes after turning on the sensor, the sensor has bleep prompt to let you know whether it is ready to be triggered:
if the sensor is not ready to be triggered, there is a bleep prompt every 2 seconds;
if the sensor is ready to be triggered, there is no bleep prompt;



(the light of the ON/OFF button will flash once means the radar sensor was triggered and sent the alarm signal; and then the radar sensor will back to work mode automatically after about 10 seconds if not detecting any movements)

Step 4

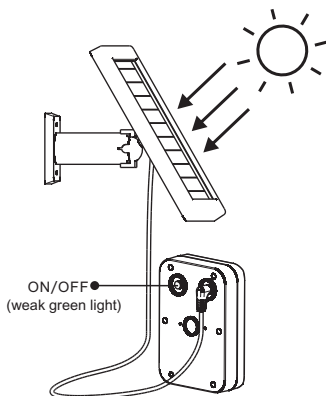
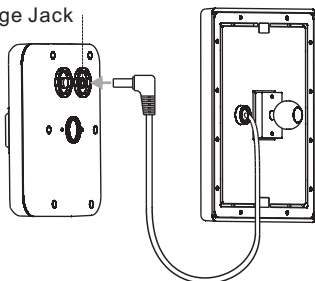
Press “Tone” button to choose the ring tone for this sensor, there are 35 tones to choose from;



Step 5

Connect the solar panel to the radar sensor

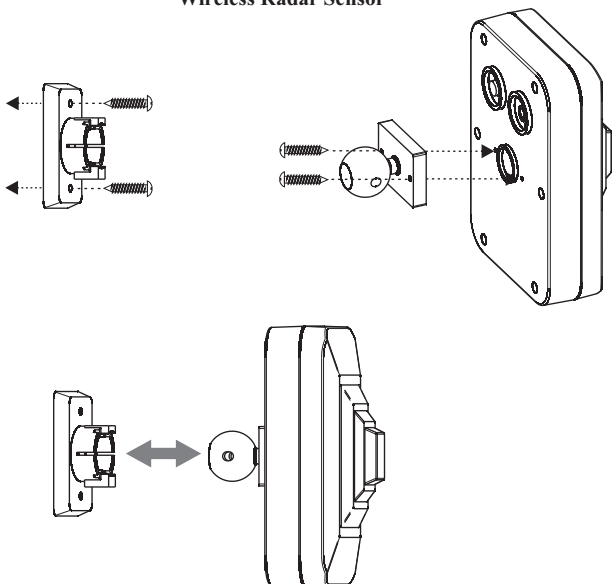
Charge Jack



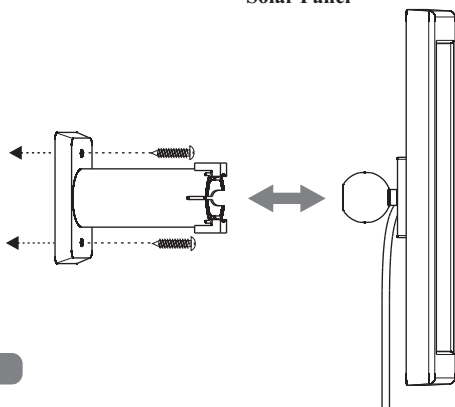
Note: if connection is properly, the ON/OFF button has a weak green light prompt, Please try your best to make the solar panel face to the sunlight when you install it

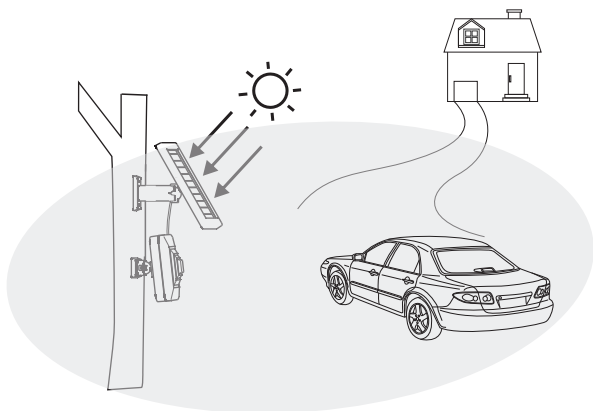
Step 6
Installation

Wireless Radar Sensor



Solar Panel





Installation Notes:

1. Please try your best to make the solar panel face to the sunlight
2. the working principle of the radar sensor is detecting all the movements around it (not only in front of it), so please do not install the radar sensor closed to/around/under the plants which will be shaken easily by the wind. it will cause some false alarms.
3. The radar sensor can detect the big size movements by passing through the walls. so please do not install the sensor at unsuitable environment.
4. please install the radar sensor 4-5 feet off the ground, and adjust the sensor eye a little upward or just point straight (not down). please install the radar sensor pointing up the driveway towards your house.

4. Other Settings

(1) How to add sensors to the wireless alarm receiver (up to 32 sensors can be added to the receiver)

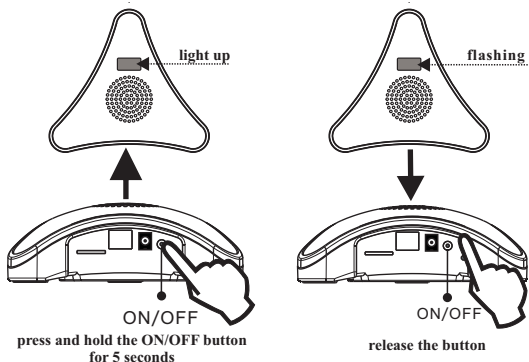
ADD

Step 1

Power on the wireless alarm receiver by the power adapter

Step 2

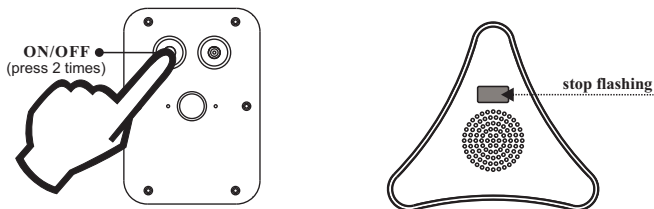
Press and hold the "ON/OFF" button for 5 seconds and release the button when the indicator light flashing;



Step 3

Trigger the sensor (for example, trigger the wireless radar sensor)

Note: please make the radar sensor close to the Alarm receiver



(the light of the ON/OFF button will flash once means the radar sensor was triggered and sent the alarm signal)

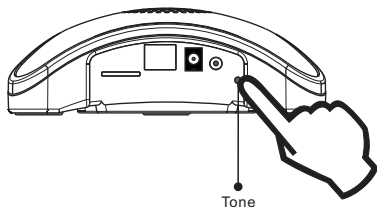
(a ring tone prompt and the indicator light stops flashing means the sensor has been added to the wireless alarm receiver successfully)

Step 4

Trigger the sensor again to confirm the sensor has been added to the wireless alarm receiver already.

Step 5

Press "Tone" Button to choose the ring tone for this sensor, there are 35 tones to choose from



(2)How to delete the sensors of the wireless alarm receiver

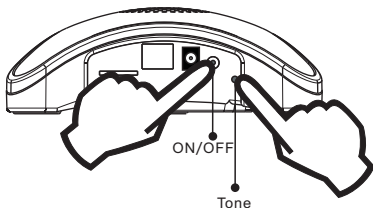
Step 1

Power on the wireless alarm receiver by the power adapter

Step 2

Press and hold both the “ON/OFF” button and “Tone” button for 10 seconds and release the buttons when you heard a long bleep;

Note: all the sensors will be deleted by this operation;



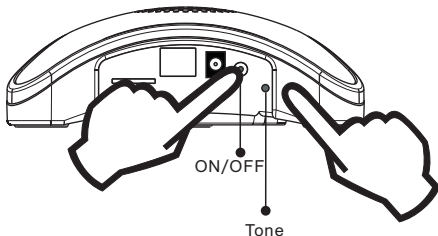
(3)How to adjust the alarm volume

Step 1

Power on the wireless alarm receiver by the power adapter

Step 2

Press and hold the “ON/OFF” button first, and then press the “Tone” button to adjust the alarm volume, total 4 volume levels



(4)How to change the ring tone for the sensors

Step 1

Power on the wireless alarm receiver by the power adapter

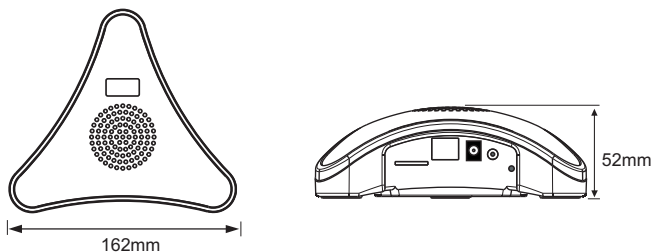
Step 2

Trigger the sensor first, and then press the "Tone" button to choose the ring tone for this sensor;

Same steps for other sensors which have been added to the wireless alarm receiver already.

5. Technical Parameters

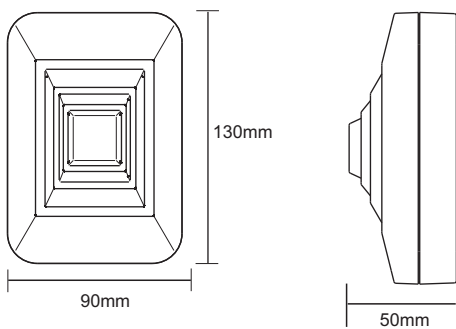
Wireless Alarm Receiver



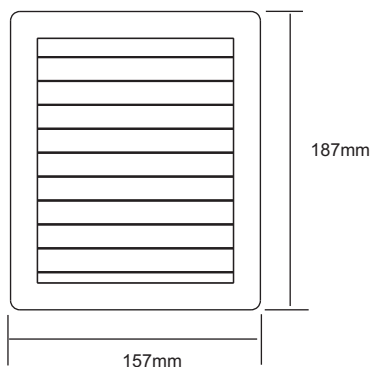
Technical parameters

Item	Technical Parameters
Working Voltage	DC5V
Working Current	Static Current 20mA; Alarming Current 300mA
Wireless Frequency	433MHz FSK+FHSS
Backup Battery	4 pieces AA 1.5V batteries(package is not included)

Wireless Radar Sensor



Solar Panel



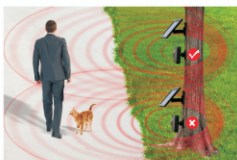
Technical parameters

Item	Technical Parameters
Radar Detection Range	It depends on the size of the movements If cars: up to 50 feet(15m) If a person weighting 50kg: up to 25 feet(7.5m)
Wireless Transmission Range	1/4 Mile(400m)
Wireless Frequency	433MHz FSK+FHSS
Working Voltage	3.3V
Battery Type	Chargeable LiFePO4 Battery
Battery Capacity	500mAh
Working Current	Static: 5mA; Alarming: 30mA
Solar Panel Output Current	$\geq 200\text{mA}$ in Sunny days
Working Temperature Range	-30°C to 70°C

· NOTES ·

Please install the radar sensor as below:

1. install the sensor 4-5 feet off the ground
2. point the sensor towards a open field(not towards the trees or bushes)
3. adjust the sensor a little upward(not down)



1



2



3-1



3-2

4. make the solar panel face to the sunlight



Do not install the radar sensor in the environment as below:

the working principle of the radar sensor is detecting all the movements, so please do not install the sensor in the environment which has movements (includes the fallen leaves)

1. close to/around/under the plants which will shake easily by wind, it will cause some false alarms
2. the radar sensor can detect the big size movements even by passing through the walls, so please do not install it at unsuitable environment.

