

Wireless Solar Alarm System Instruction

---solar energy Energy optional

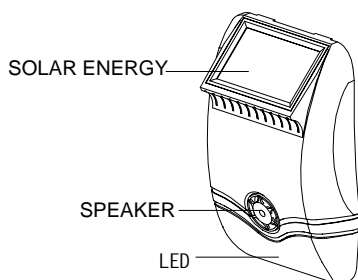
Basic configuration

The main(battery included)	1pcs
Remote controller (battery included)	2pcs
PIR sensor DPS-55(battery included)	1pcs
Door magnetism MCS-204R (battery included)	2pcs
Power adapter(DC12V 300mA)	1pcs

The main

this model can have solar energy optional called DSM-315SO.

Green energy source—solar energy to charged inner storage battery, and no need replace battery and no need dig for laying wire. solar battery board: 12V/1W



This wireless alarm system adopts wireless numeric coding, high frequency emission, receiving technology (433.03 MHz~434.79MHz, other frequency optional), MCU control, and SMT technics. It can match with all wireless detector of our company (include wireless PIR, door magnetism, wireless smoke detector) and home security controller, and also it can fit with wireless remote controller, we hope it can take safe for your family.

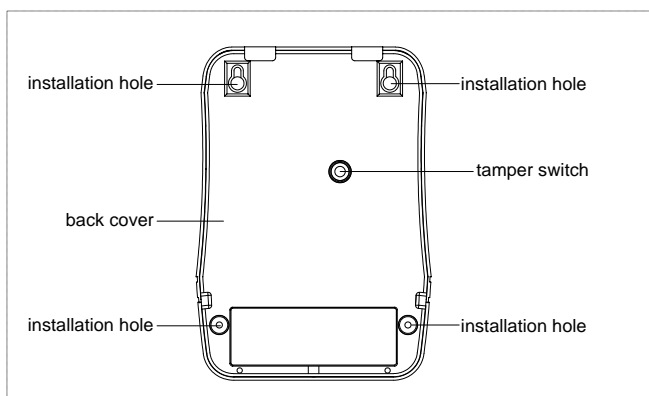
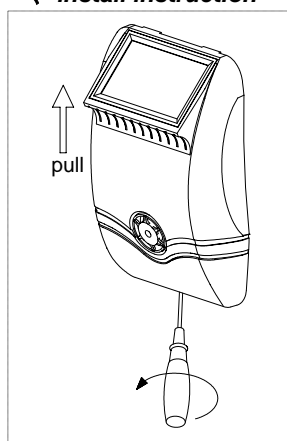
feature

- Adopts wireless connection with the mains, wireless detectors and remote controllers;
- Adopts emission and receiving double technology;
- 4PCS high light-degree LED as the alarm light ;
- alarm sonority is high and can reach more than 95dB,
- provide out charge-up ports, you can use power adapter to charge up inner storage battery;
- tamper protect function: when the unit is taken down and the switch on the back is not pressed down, the unit will alarm;
- alarm method: sound and light alarm, the sound alarm and LED flashing occur simultaneity;
- the unit is designed for outdoor using.

specification

1. solar battery board: 12V/1W
2. storage battery: 1.2V*6PCS 2500mAh
3. static current: 7mA
4. working current: 130mA
5. charge-up port: DC12V
6. alarm sonority: >95dB
7. alarm time-delay: 1minute
8. Working frequency: 433.03 MHz~434.79MHz other frequency optional

install instruction



1.install attention

»You should install it where sunshine are not blocked, for example all around there are not high&big building, tree and power-line pole etc;

»its matched storage battery should be charged up enough to rated energy when you use it for the first time and should not charge up excessively or discharge excessively.

2.install the unit

» at first tighten off the screw on bottom with screwdriver and pull out front cover to open the unit(like left above figure) ;

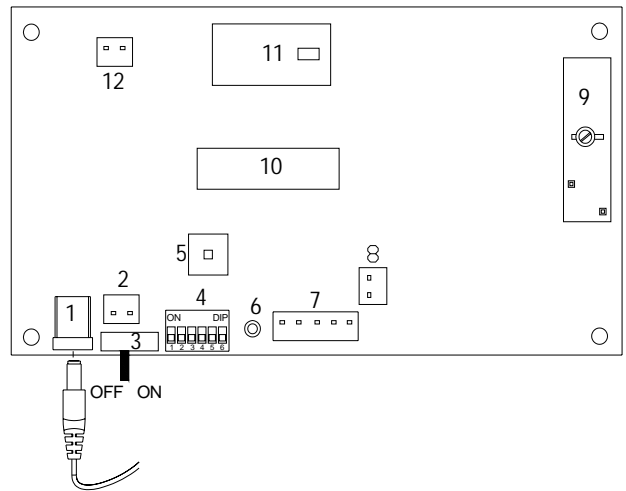
» According to the right above figure install the back cover on selected position;

» set up according the ~ section instruction ;

» close the front cover and tighten up the screw.

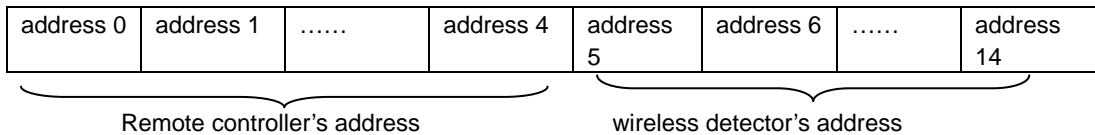
、 inner PCB illumination

1. Charge-up port: connect DC9V power adapter
2. Storage battery port
3. Storage battery power ON/OFF switch
4. DIP switch
5. Tamper switch (on the contrary face)
6. Wireless setting and local code setting indicator
7. LED
8. Speaker port
9. Receiving module
10. MCU
11. Emission module
12. Solar board port



、 address code setting

Use the 1~4bit on DIP switch, set the saved address of the wireless detector and remote controller, remote controller's address is 0~4, wireless detector's address is 5~14:

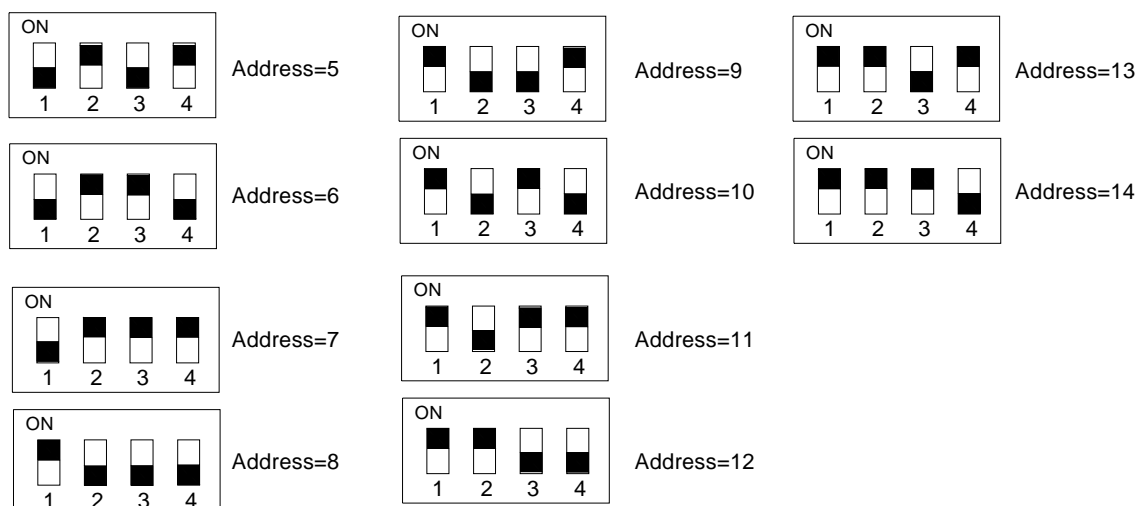


Detailed setting see follow:

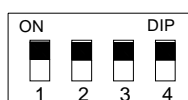
1. Remote controller's address:



2.wireless detector's address:



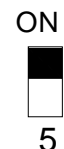
Warning: if code according to following setting, after switch on power once again, all wireless fittings will be deleted.



、 **wireless setting**

Set its wireless fittings wireless detector or remote controller and make the fittings is accepted by the unit

Method: after set according to the section , slide the **“5”** on DIP switch to ON , here the LED of position 6 on PCB light(indicate setting start), and then you can trigger the wireless detector or remote controller, when BI sound is heard, the wireless fitting is set successfully. So once the wireless fitting is triggered, the emission signal will trigger the unit alarm. After setting ok, slide “5” to original position.



、 **Local code setting**

Set the unit's code when emit signal to other mains, adopts free coding method.

Method: slide the storage battery power switch to OFF and slide the **“6”** on DIP switch to ON, then slide the switch to ON, here the LED of position 6 on PCB flash (indicate being coding), coding finished until slide “6” to original position.



4-key remote controller

1.specification

power:DC3V (lithium battery)
static current: <1 μ A emitting current:<8mA
remote control distance: 30m(wide place)

2.operate

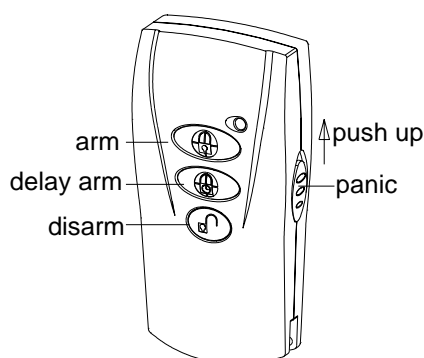
at first set its code. It adapts free coding. The coding method: tighten off the base screw and open it, press and hold any emission key and then install battery, here the LED flash indicating it is coding. The coding is confirmed when you loosen the key.(if you find remote controllers have repeat codings, you can re-code according above method).




wireless setting: according to the section , press any emitting key to make it emit signal, and the unit will give 1 DI sound, setting successfully. So the remote controller has been accepted by the alarm

and the remote controller can control the alarm

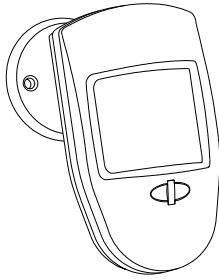
key function:

push up the panic key, the alarm give panic alarm.



Press arm key  : arm.
 Press disarm key  : Cancel arm, and also can intermit alarming.
 Press delay arm key  : the alarm give DI—DI sound, and after 60sec, DI sound will be heard again, enter armed.

Wireless PIR detector DPS-55



1. Specification

power:DC9V 6F22 battery detect angle:110 °
 static current:30 μ A remote control distance: 30m (wide place)
 detect distance:12m installation height:2m

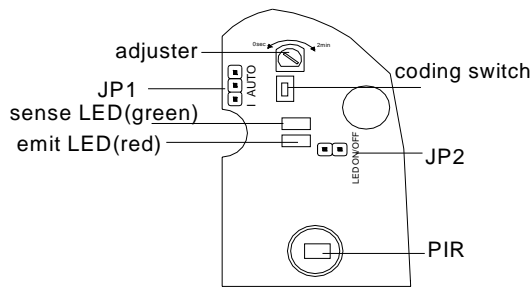
2. Function





prevent false-alarm function: you can set sense once/twice to emit;
 sense、 emission LED
 Low-battery LED: When battery energy is below 7V, the low-battery LED will flash once a second and remind you replace battery.

3.jumper setting (see follow diagram)

sense once to emit:
 Sense once, the unit emit signal;
 sense twice to emit:
 Sense twice, the unit emit signal.

ATTENTION: After it emit signal, If sense it again at once, it will not emit signal, only under the condition of no continual sense signal waiting for at least the certain time(the adjuster setting 0sec~2.5min) and then sense it, it will emit signal again.



JP1	 AUTO 1 sense twice to emit	 AUTO 1 sense once to emit
JP2	 LED OFF	 LED ON
adjuster	adjust emission time interval	clockwise to the end is 2min~2.5min anti-clockwise to the end is 0sec

4.operate and install

At first coding: the unit adopts free coding, method: press and hold the coding switch, switch on power, the green LED flash. And then loosen the switch, the green LED light indicating coding finished;

60 sec later after switching on 9V battery the unit enter working state;

wireless setting: according to the section ,sway your hand in front of the detecting window to make it emit signal, and the main will give 1 DI sound, setting successfully. So the detector has been accepted by the alarm and can control the alarm.

we suggest it should be installed in dypass, living room, reside room etc area, and install it on high place. Its detecting window should face the detection range.

Avoid installing the unit on metal base;

Avoid installing the unit where sun shine or temperature change obviously, for example: air conditioning, heater etc.

Wireless door magnetism MCS-204R

1.specification

power:DC12V A23 battery
 static current: 0 μ A emission current: <8mA
 remote control distance: 30m(wide place)

2.function

it transmit the signal of the door/ window's opening or closing to the main;

Tamper design: Under the condition that the triangle on emitter aims at triangle on magnetism, when the battery lid is removed, it will emit signal to the main.

3.operate

Set its coding by DIP switch;

Wireless setting: according to the section ,under the condition that the triangle on emitter aims at triangle on magnetism, put away the magnetism or emitter to make it emit signal, and the main will give 1 DI sound, setting successfully. So the door magnetism has been accepted by the alarm and can control the alarm

4.Installation attention

Install magnetism and emitter on upright position of door lock, the distance between them is 3mm~5mm and triangle on emitter aims at triangle on magnetism(like follow left figure);

The magnetism should be on the left of the emitter (like follow right figure).

