

## Outdoor multi-use solar powered siren

Solar panel power supply,  
realize wireless power supply, wireless signal



PE-520

Marca: PGST

Origine: CN (Origine)

Numero modello: PE-520

Max output current from solar panel: 5V/150mA

Wireless receiving distance:  $\geq 100\text{m}$

Standby current:  $\leq 1\text{mA}$

Wireless receiving frequency: 433MHz

Wired defense zones: 2 zones(Z0,Z1)

Outline size: 262mm\*195mm\*61mm

PGST nuovo 433MHz Wireless light Flash stroboscopico esterno solare e sirena per antifurto domestico Wifi GSM sistema di allarme di sicu

Delivery Italy

Certificazione: CE

Piattaforma di casa intelligente: NONE

Power supply: DC 3.7V (3.7V/400mAh rechargeab...

Max alarm current:  $\leq 170\text{mA}$

Ambient Humidity:  $\leq 80\%$  (no freezing)

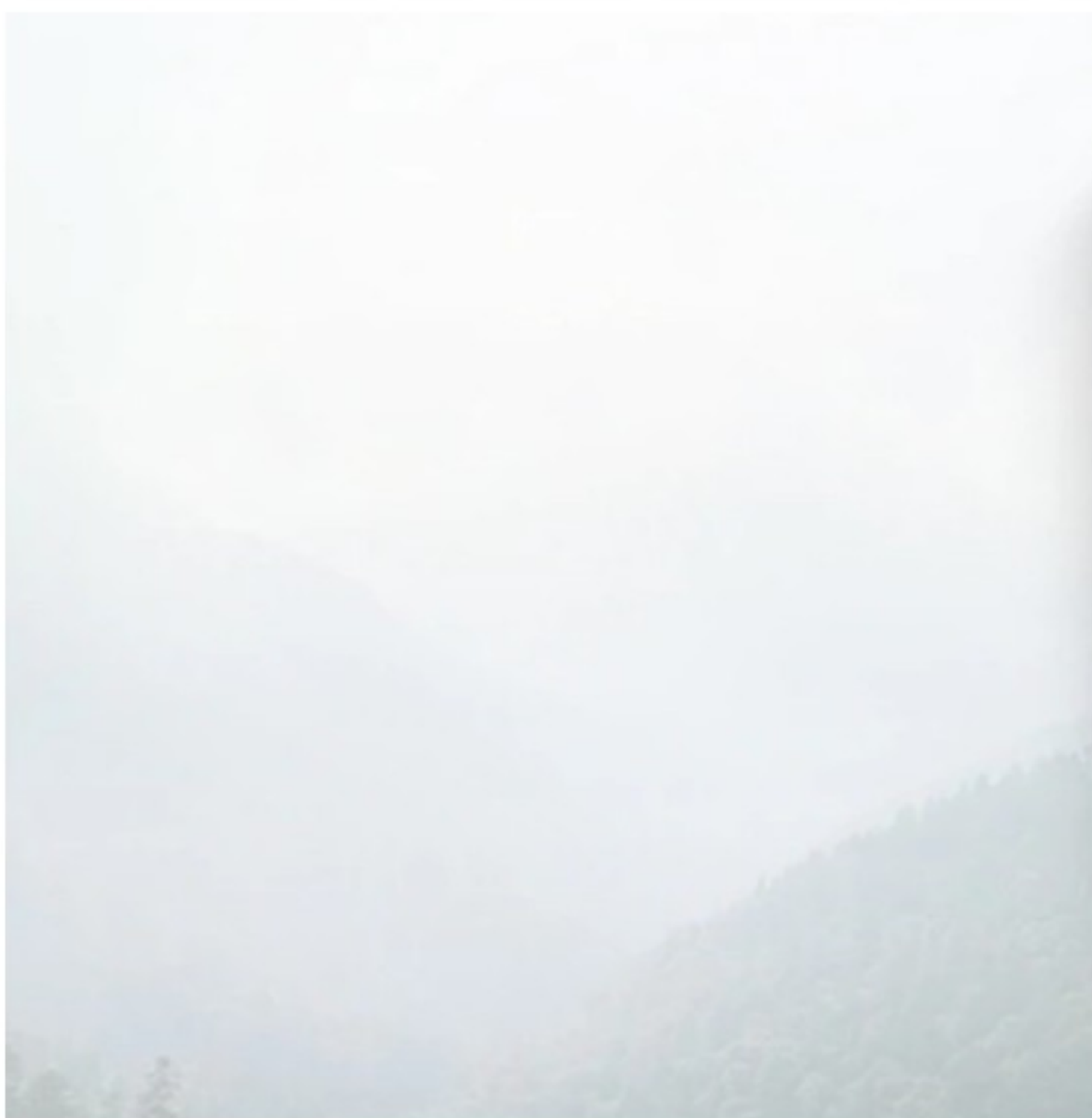
Standby period:  $\geq 15\text{days}$

Operating temperature:  $-30\sim 70^{\circ}\text{C}$

Anti-tamper: 1 (TMP)

Wireless defense zones: total 30 with alarm panel, accesso...

**PGST Nuovo 433MHz Senza Fili di luce Flash Strobe Esterna Solare Impermeabile Sirena per La Casa Antifurto Wifi GSM di Allarme di Sicurezza Domestica sistema di**







Audible & Strobe  
alarm



Powered  
by Solar



waterproof  
design



No wire  
No worries



Anti-disassembly  
alarm function



Low voltage  
alarm



Large volume



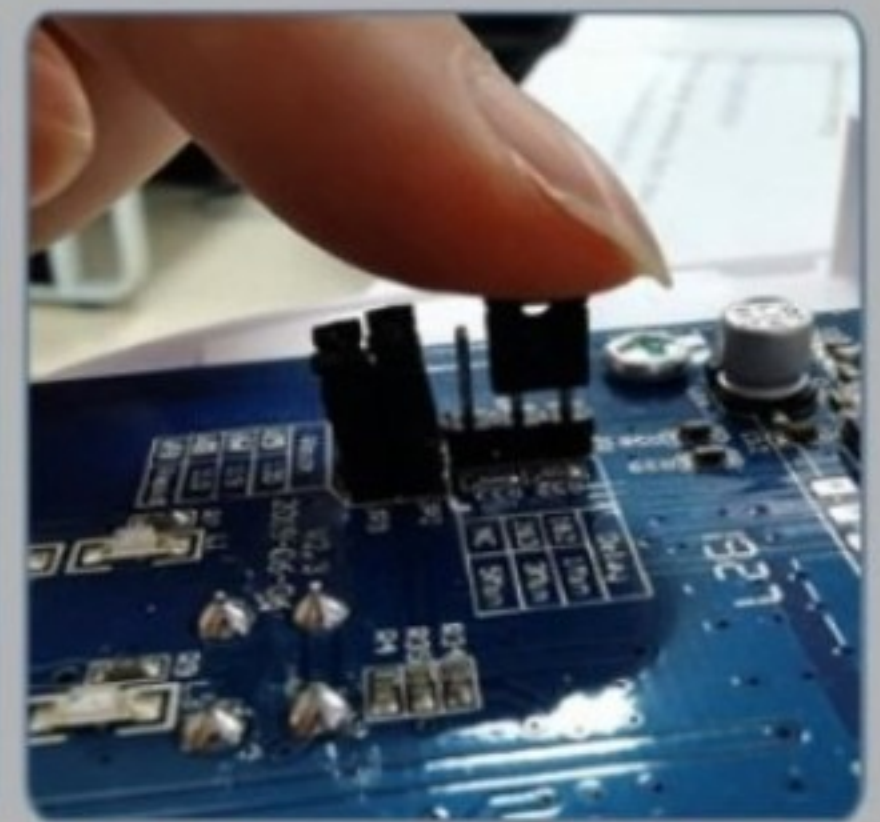
Multipurpose  
use

**Easily set the alarm delay time,  
suitable for different alarm requirements.**



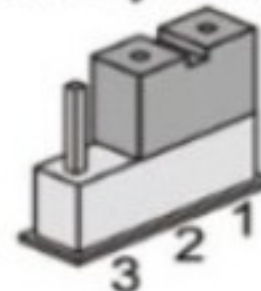
**Steps:**

A. Open the back cover  
of the product

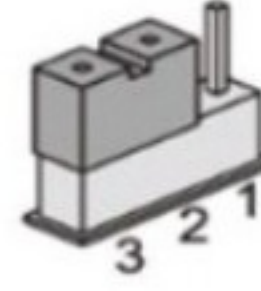


**B. Adjust the delay position on the panel (Delay)**

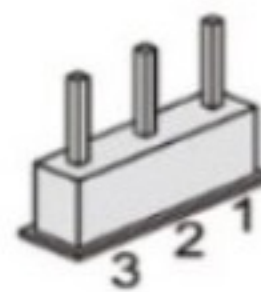
Delay-1 minute  
(The factory default)



Delay-3 minute



Delay-5 minute



(Adjustment diagram)



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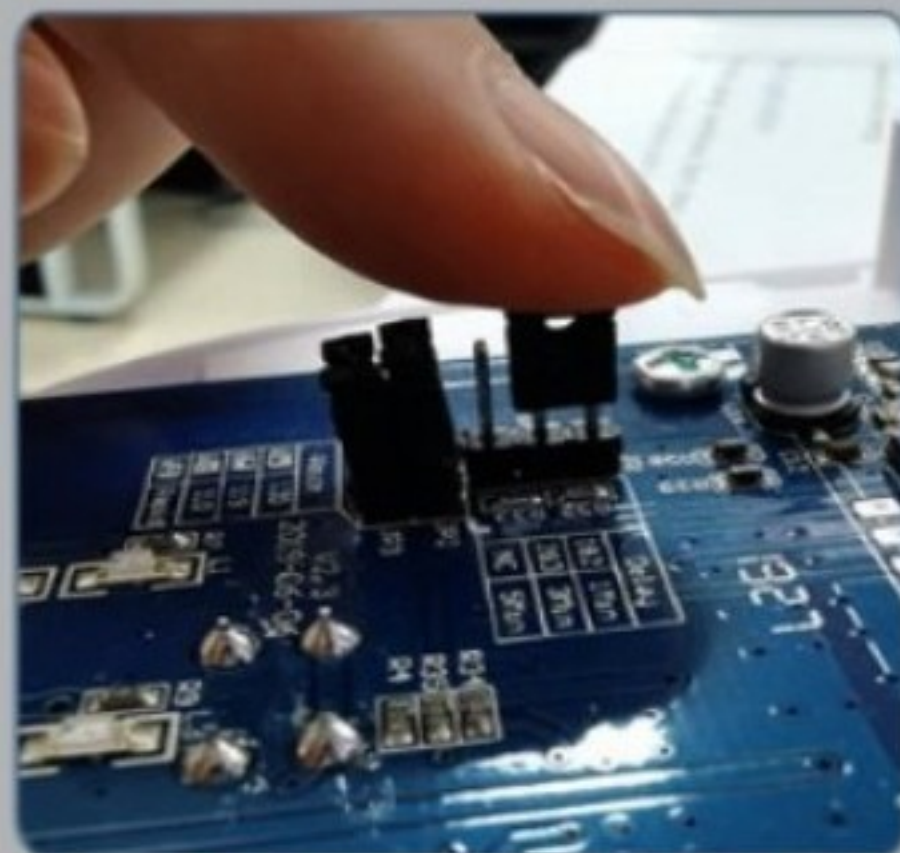
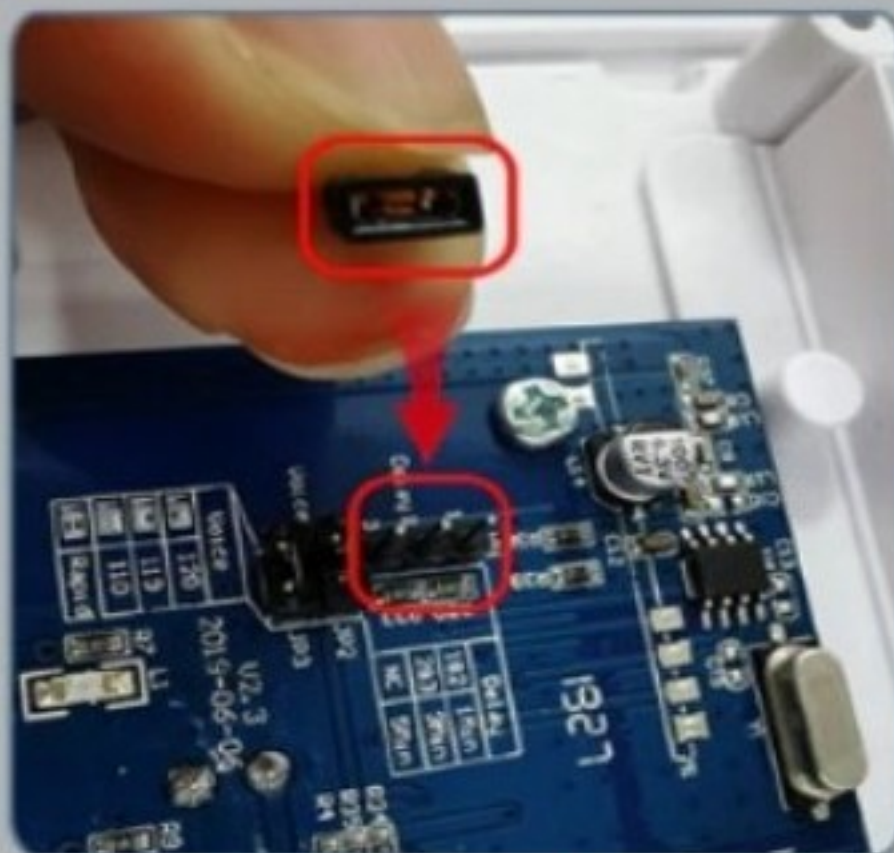


Large volume



Multipurpose  
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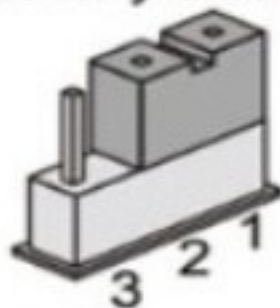
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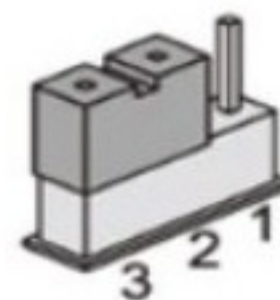
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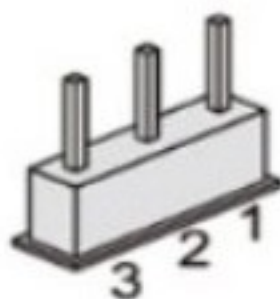
Delay-1 minute  
(The factory default)



Delay-3 minute

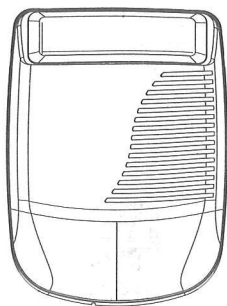


Delay-5 minute



(Adjustment diagram)





## User Manual

### Product Overview

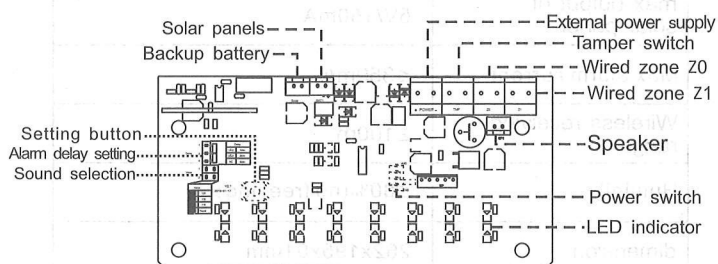
The solar siren is a detector that uses solar energy to power the system. Signal is transmitted by wireless or by wire. With wireless power and wireless signal, it improves the installation flexibility of the system. This detector can build multiple type of wireless alarms to scare illegal intruders off.

It can also be used as a live alarm system. Choose the wireless accessories with the same working frequency as the wireless siren, and then pair them with the wireless siren to form an independent live alarm system.

This wireless siren should be installed in the center of the shelter to maximize the reception of all wireless detectors.

**Note:** This siren should be installed as far as possible from large metal objects or household appliances with high frequency interference, while avoiding shields such as reinforced concrete walls and fire doors.

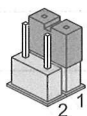
### PCB diagram



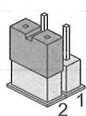
### Siren alarm tone setting

#### Alarm delay setting

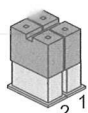
Voice-120



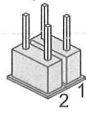
Voice-119



Voice-110

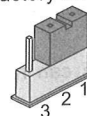


Voice-Rapid  
(The factory default)

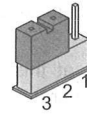


### Delay alarm time setting

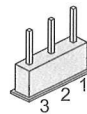
Delay-1 minute  
(The factory default)



Delay-3 minute

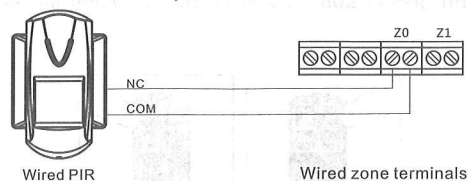


Delay-5 minute



### Work as a wired detector

This solar wireless siren comes with two wired zones Z0 and Z1, which can be easily connected to the Wired PIR through a wired connection. When the Wired PIR alarms, the solar siren will also sound and the led light will flash.



Connection diagram

**Note:** The detector only supports normally closed alarm panel or wired detectors.

### Work as a wireless siren

The wireless siren needs to be used with the wireless alarm panel. When the alarm panel makes alarm, the wireless solar siren will also sound and flash.

Pairing with wireless alarm panel – press the setting button on siren to issue two short "beep" sound, then immediately release the button, the siren enters the learning state, then trigger the alarm panel to send the signal. When you hear a long beep, it means coding is finished.

### Work as a live alarm system

This wireless siren can also be used as a live alarm system. Choose the wireless accessories with the same working frequency as the siren, and then pair the wireless accessories with the wireless siren to form an independent work site alarm.

Remote control and accessories pairing – press the setting button on siren to make a short beep, the siren enters the pairing state, then trigger the remote control or detector. When you hear a long beep, it means pairing is finished.

**Note:** When pair the remote control, must press SOS button to trigger a signal, otherwise it will be considered as a detector instead of remote controller.

### Delete all remotes, detectors and alarm panel

Delete all remotes, detectors and alarm panels. Keep pressing the SET button till you hear three beep and then release the button.

## Siren Status

**Arm Status:** at this status, all the parts can trigger the siren to make alarm


**Disarm Status:** at this status, all the parts can not trigger the siren to make alarm

**Alarm status:** at this status, siren makes live strobe and light alarm, and will stop alarm after the delay time finished if no human activity.

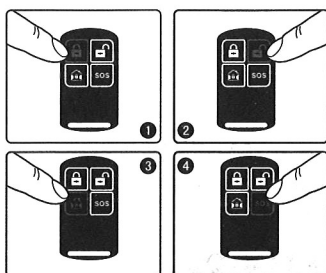
## Daily operation

Remote controller is a device who has the function of Out Arm, Stay Arm, Disarm, SOS , and is used to remotely control the siren outdoor or at a long distance after pairing with siren by wireless signal.

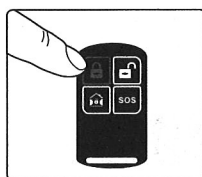
**Out arm:** press [  ] or  siren enter Arm state

**Disarm operation:** push [  ] siren enter Disarm state

**SOS alarm:** press [ **sos** ], the siren makes alarm immediately




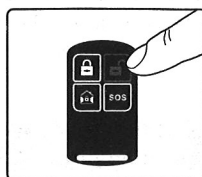
**Out Arm:** Out Arm means the whole system is in arm state: when nobody at home, all defense zone is protected. when the thief, fire, gas leaking etc was detected, the system will make alarm immediately.



**Remote control:** push [  ] key on remote controller

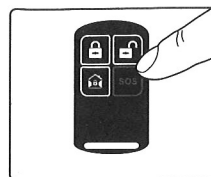
### siren disarm

Disarm means the siren will stop triggering an alarm. There are two situation, one is the normal disarm after the arm operation; the other is stopping the ongoing alarm; after disarm, all parts will not be triggered to make alarm Remote control: Push [  ]



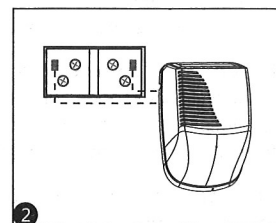
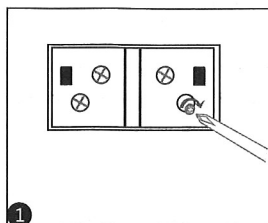
## SOS

For home use, some accidents may happen: sudden disease for elderly or children, sudden fire, and sudden home burglary. All these need SOS help. At these situations, only need to press [ **SOS** ] on the remote controller, siren will make alarm immediately and inform the family members.



## Amount process introduction

1. Fix the bracket on the wall
2. Hang up the siren on the bracket



## Technical Parameters

Power	DC 3.7V (3.7V/2000mAh chargeable Lithium battery)
max output of solar panel	5V/150mA
Max alarm current	≤350mA
Wireless receiving range	≥100m
Humidity	≤80%(no freezing)
dimension	262x195x61mm
Standby current	≤10mA
standby time	≥15days
Wireless receiving frequency	315MHz/433MHz
temperature	-30~70°C
Wired zones	2 zone (Z0, Z1)
tamper	1 zone (TMP)
ess zone	panel, parts, controller altogether 26pcs