

MD-326R Wireless Solar power siren

1. Brief

Wireless solar power siren is a kind of alarm device with strong popularity. it communicate with alarm panel, detector , remote etc. Which work with the same frequency as the siren and achieve flash light and alarm sound when alarm happen. This siren has anti-tamper function to avoid intentional damage or dismantle. When alarm happens it make high alarm sound.



Appearance

2. Technical parameter

Static current: $\leq 12\text{mA}$

Transmit /Receiving distance: 100m (in open area)

Transmit /Receiving frequency: 433MHz

Alarm current: $\leq 500\text{ mA}$

Alarm volume: around 100dB

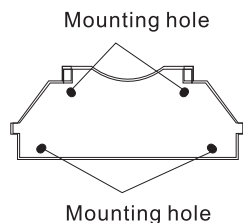
Normal mode: receiving mode.

Alarm mode: transmitting mode.

3. Installation

3.1 Base:

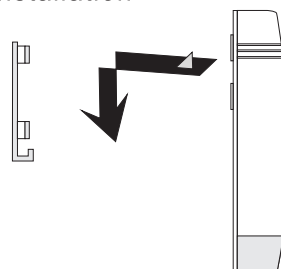
2. 4--4.8meter above ground



A. Mark drill hole and drill on the wall

B. Attach the base to the wall by screws

3.2 installation



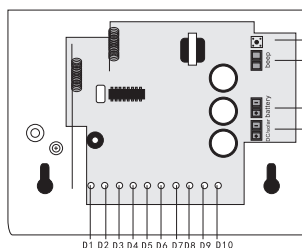
Refer to the figure on the left to install the siren

4. Wiring

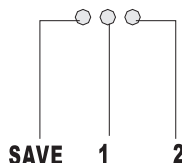
5. Enrolling

Wried terminal and LED

LED	Meaning
D1-D8	Status
D9	Coding
D10	Code clearing



Button



Enroll to panel :

Enter into the coding mode of the panel, Press [SAVE] key on the siren till coding LED is blinking.

The siren will have sound confirmation when enroll successful.

Enroll to other Wireless devices:

Press the[SAVE] till coding LED is blinking, then trigger the wireless device coding key (such as tamper switch). The siren will sound to confirm that enroll is successful.

Coding clear:

Press the both buttons of [1 2], The yellow LED will lights on 3 seconds then blink for 10seconds and the lights will be on steady.

That means all the codes has been cleared.

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help .

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

MD - 326R wireless siren is with receiving and transmitting function, two kinds of model can't work at the same time, the signal in normal work most of the time is in the receiving work mode, received signal communication relies on the "MICRF211" receiving module,

The signal needs to be transmitted only in the following three states:

1. Enrolling status: When the siren receives the signal sent from the hub for enrolling , it will transmit a response signal to the hub within 3 seconds, and the signal timing is less than 2 seconds.
2. When the siren tamper is triggered, the siren will send an alarm message with tamper alarm to send the signal time is less than 2 seconds.

In normal work, the siren will send a heartbeat report to the hub which was enrolled every two hours , the signal time duration is is less than two seconds

Md-326r function description:

- 1, working with hub. After enrolled to the hub. after once the hun receives the alarm signal will send a signal to the signal, signal receiving signal after start flashing a chirping and sounding, when the hub send signal to cancel alarm ,warning signal to stop flashing.
- 2, working with the RF remote control and RF detector , when the RF remote and RF detector is enrolled to the siren, when the remote control to send protection signal to alarm signal will have a response to sound, the alarm in the protection state, in this state if receives the paired with a light detector alarm signal sent to come over, warning lights and the buzzer will alarm The Times, in the case of sending removal with the remote control signal to stop the alarm, when the remote control to send emergency set alarm information, alarm will report to the police.

Operation instructions of md-326r:

For code Settings:

- 1 with the remote control code, long press the SAVE button, when the light is red light flashing and PCB when singing hit the buzzer for short rang of cloth button or key machine, when the MD - 326 r a reply from the alarm buzzer born after let go of the SAVE button, at this point the remote control and the MD - 326 r to code successfully.
- 2 and detector for code, long press the SAVE button, when the light is red light flashing and PCB, chirping trigger detector alarm, buzzer for short rang when MD - 326 r began to report to the police, the detector with the MD - 326 r code successfully
- 3 with the host to code, set the host in the signal to the code mode, long press the SAVE button, when the light is red light flashing buzzer and PCB for short loud singing, when the MD - 326 r sound alarm buzzer give a reply of the PCB, and continue to wait until after the buzzer example, the host will display a police number nine ID, host and signal for code success at this time.

Clear code setting:

The code setting will clear all the codes in md-326r. Please note that the operation is as

follows:

Holding down the qing code button 1 and 2 at the same time, this time the yellow light on the PCB began to regular twinkle and PCB buzzer interval, when the yellow light about 10 seconds after long bright or not bright and PCB buzzer sirens, the qing code successfully.

MD-326R is both Receiver and Transmitter. Receiving and Transmitting can't work at the same time.

Receiver(MICRF211 module): Normal working status of siren is receiving signal(Normal mode). The siren can receive signal from the control panel and the RF accessories(keyfob and PIR detector).

1)From the control panel:

When the siren is enrolled to the control panel, once alarm trigger, the control panel will send ASK signal to the siren, the siren will sound and flash light after receiving ASK alarm signal from the control panel. After receiving the ASK disarm signal from the control panel, the siren will stop sounding and the flash light.

2)From the RF accessories:

When is RF keyfob and PIR detector is enrolled to the siren, the siren will be armed status after receiving armed signal ASK from the keyfob. During armed status, the siren will be set off if it received alarmed signal from the PIR detector enrolled. Then the siren will sound and flash light. The siren will stop alarm and flash light when receiving disarm signal from keyfob.

Transmitter:

The siren will transmit signal as below three case

1)When the siren receives a signal from the control panel enrolled, it will send a response signal to the control pael after 3 seconds , signal time duration is less than 2s.

2)When the tamper of siren is triggered, the siren will send a tamper alarm signal to the control panel, signal time duration is less than 2s.

3)Heatbeat every 2 hours to the control panel, signal time duration is less tahn 2s.