

WIRELESS ALARM SYSTEM

MODEL NO: YL-191

When the receiver get a wireless signal from one detector, the channel indicator LED will light for 1 hours. And the alarm sound started for 1 minute. Sound once for channel 1 and twice for channel 2 until channel 5.

If repeat signal detected on same channel in one hour. the signal will be ignored .

The receiver has a sound level switch to select a loud or week alarm.

Transmitter 1,2,3,4,5

2 pcs PIR DETECTOR

5 M detecting range

80 M wireless transmitting range

3 pcs AA BATTERY

5 CHANNL RECEIVER

433.92MHz Radio frequency

1,2,3,4,5 5 CHANAL

5 LED indicating

5 different sound warning

Sound level adjusting

3 pcs C BATTERY

Part A: RF 频率发射部分

ET15 为 433MHz 调频发射芯片，工作频率设定为 13.56MHZ，当主控 MCU 815T-SOP8 根据有无人体红外线通过数据脚发送协议给 ET15，然后通过高频匹配电路发出射频。

RF frequency emission part

ET15 is a 433MHz FM transmitter chip, the working frequency is set to 13.560MHZ, when the main control MCU 815T-SOP8 sends the protocol to ET15 through the data pin according to the presence or absence of human infrared, and then sends the radio frequency through the high-frequency matching circuit.

Part B: 发射显示部分

主控芯片识别到有人体红外线时，会给 ET15 发送 RF 指令协议。

Emission display section

When the main control chip recognizes the presence of human infrared, it will send an RF command protocol to the ET15.

Part C: 红外识别部分

当有人体通过的时候，PIR 对 MCU 端口电平会产生相应变化

Infrared identification section

When a human body passes through, the PIR will change the level of the MCU port accordingly

Part D: 主控芯片部分

主控 MCU 815T-SOP8 在没有识别到人体红外线时，会进入休眠模式，达到省电效果；当有人体红外线的时候，MCU 会立即唤醒，发送 RF 指令协议。

Main control chip part

The MCU 815T-SOP8 will enter sleep mode when it does not recognize the infrared rays of the human body to save power, and when there are infrared rays of the human body, the MCU will wake up immediately and send RF command protocols.

FCC Caution.

(1) § 15.19 Labelling requirements.

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.

§ 15.21 Changes or modification warning

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

§ 15.105 Information to the user.

Note: 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.

RF warning for Mobile device:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.