

## ● Technical Characteristics

1. Power supply: 2xCR2032 (6V)
2. Encoding: customized
3. Channels/Codes: 2/800
4. Frequency: 300 MHz +/-100KHz
5. Working current: <30mA
6. Standby current: <1uA
7. Under voltage warning: 4.4±0.15V
8. Working Temperature: -20°C - +55°C
9. Password: 2-5 numbers
10. Factory password: 9999
11. Dimension: 100x65x10mm
12. Distance: 80M open area/ 35M indoor

## 1. Product description

The keypads, according to initial settings, can transmit the codes customized

The estimated transmission range is 80 m in open spaces and 35 m indoor.

The units are designed to ensure battery life equivalent to an estimated of 2 years of operation considering 10 transmissions/day. However, it is recommended to replace it every 12 months to ensure optimal performance, especially in locations subject to high temperature ranges.

Audible signal	Status	Frequency
1 bip (220ms)	Button pressure	ON120us/OFF120us=4.17KHz
1 bip of 1Sec	Entry into submenu	
1 bip of 2 sec.	Entry into programming mode	
2 bip	Battery low voltage	
1 bip of 0.5 Sec	Setting success	
2 bio of 0.5Sec	Valid code/ delete success	
5 bip quick	Wrong code	

## 2. Installation:

Automatic Lighting: press any key, the 2 Leds of the PCB will turn on

Automatic standby: when no any key is pressed within 6 seconds, the device will be the stand-by mode to save battery.

Every time you press the key will 1bip and if checked the low battery will hear 2 bip when release

### Transmission code by password:

Put the password, then press < or >. Channel1 or channel 2 will send signal 2seconds if the valid password with the1 bip; and LED flash at the same time till off.

NO signal send if wrong password and with the quick 5 bips.

The timeout 6seconds after last button pressed, LED off, you should press a new full password.

Each signal send about 2seconds, then led off.

## ● KEYPAD PROGRAMMING

### 1. To enter into programming mode you must enter the **MASTER code** : 0 < 9999 >

This code (factory setting):9999

You will hear a long beep (2 sec.) and the LED will flash to confirm the entry into the programming menu.

### 2. Menu program

Press a number button, a long bip of 1 sec, enter into the sub-menu

#### a. **Setting/ delete codes ( press button 1)**

User code channel 1: "<"、 "<"、 "code (2-5 digits)"、 "<"

User code channel 2: "<"、 "<"、 "code (2-5 digits)"、 ">"

delete a user code enter: ">"、 ">"、 "code"、 ">", the user code will be deleted on both channel.

Note: setting or delete code will have a 2 bip means for success ( No button voice, just bip 500MS, stop 100ms then big again 500ms); failed will quick 5bip

#### b. **Backlight menu (press button 2)**

"<"、 "<"、 "1"、 ">", set backlight timeout to 6 sec after last button pressed

"<"、 "<"、 "2"、 ">", Backlight off (turned on only during programming and flashing with valid code);

#### c. **Passepartout Menu (select button 3) / Password-free (press button 3)**

With this function set, just press the button to turn the radio transmission on channel 1 And press the button to turn the radio transmission on channel 2, without having to enter the code;

"<"、 "<"、 "1"、 ">", function ON

"<"、 "<"、 "0"、 ">", function off

#### d. **Buzzer management Menu (press button 4)**

"<"、 "<"、 "1"、 ">", Buzzer ON

"<"、 "<"、 "0"、 ">", Buzzer OFF

#### e. **Deleted all user code ( press button 8)**

"<"、 "<"、 "8"、 ">", all memory removed but keep the Parameter value.

#### f. **MASTER code modification Menu (press button 9)**

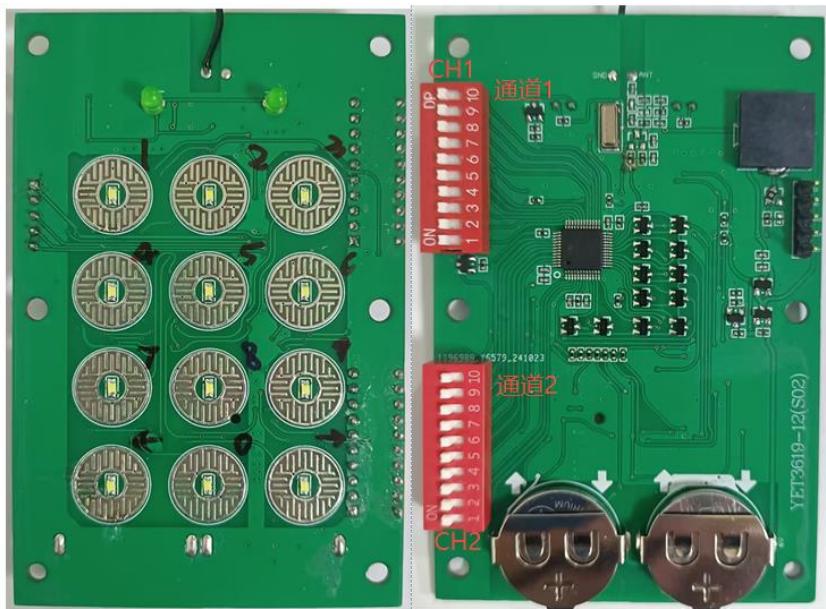
To modify the MASTER code enter "<"、 "<"、 "Master code ( must 4 digits)"、 ">"

#### g. **Exit menu( press button 0)**

It will exit the program menu at any time by press 0 or The timeout of 20 seconds from the last use of the button

### ◆ Testing software: ( you can ask remove for bulk order)

After enter into the menu to delete the user code (press button 8) , if press "<"、 "<"、 "9"、 ">", the LED will quick flash 3seconds, and 2 bip, it means the keypad with 800 code , Channel 1 with 400 codes=10000-10399; channel 2 with 400 codes=20000-20399.



#### FCC Statement:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

#### RF Exposure Information

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition, compliance with exposure requirements.