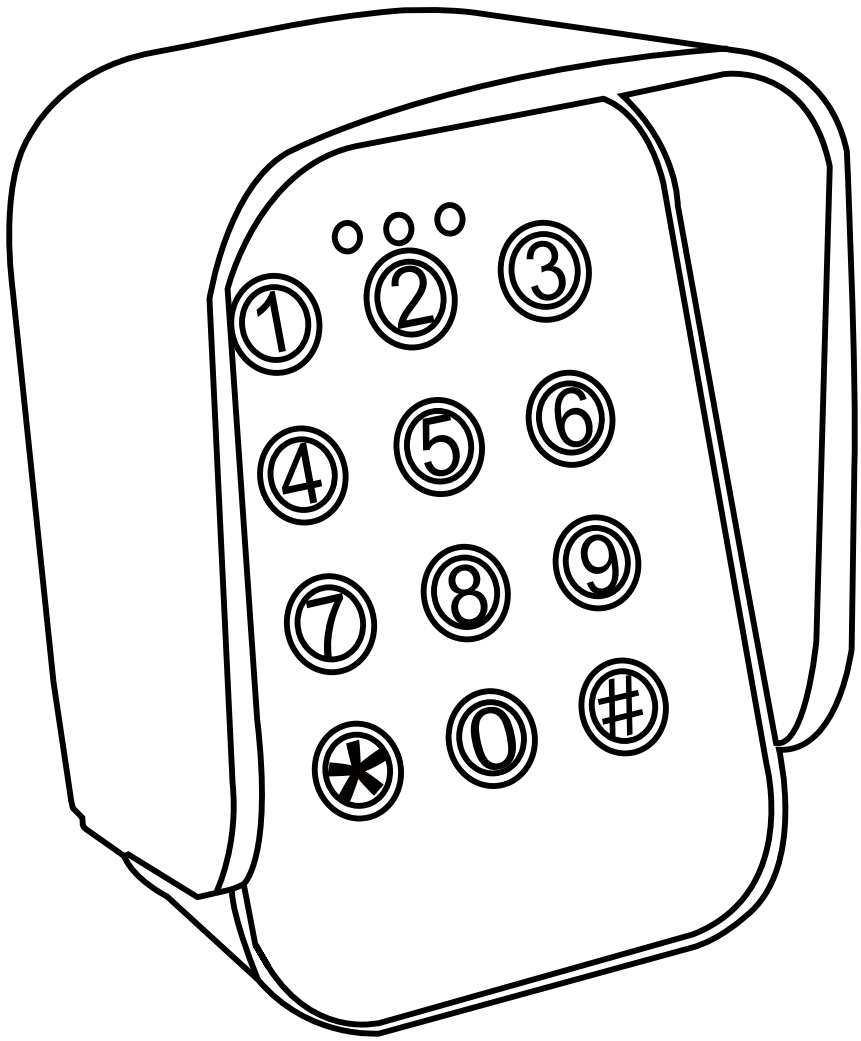
Wall-Mounted Wireless Keypad
User Manual



Model: TKM-01

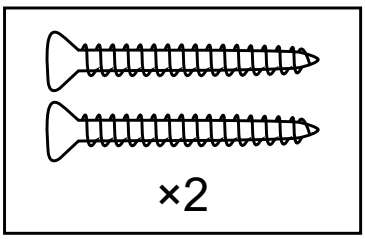
Please read this manual carefully before install and use.
Compatible with different manufacturer’s gate opener
when used with a external receiver.

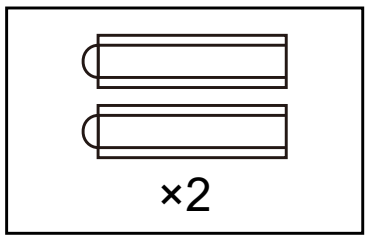
Contents

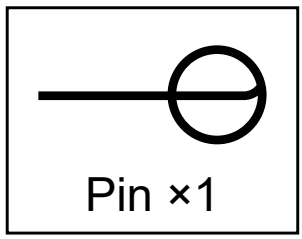
Specifications

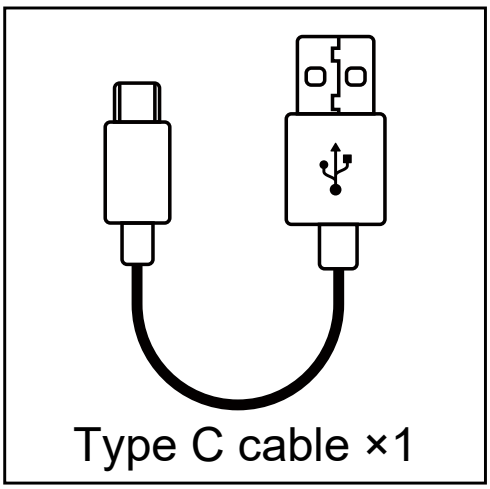
Power supply	3-5V (1pc 3.7V lithium battery)
Channel	2 Channels
Static current	< 21uA
Off power current	< 1uA
Work current	< 40mA
Encode	HCS301 (button value are 0010 and 0100) Rev.TKM-01-CD2481
Frequency	433.92MHz
RF signal work distance	100m in the open area
Touch keyboard	1-9, *, 0, #

Package List

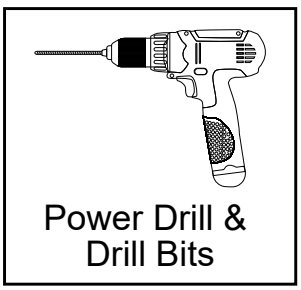


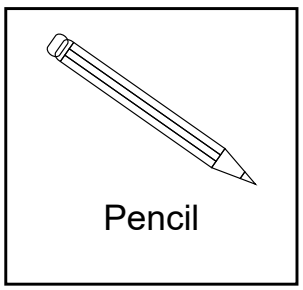


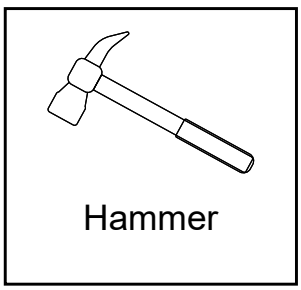




Mounting Tool



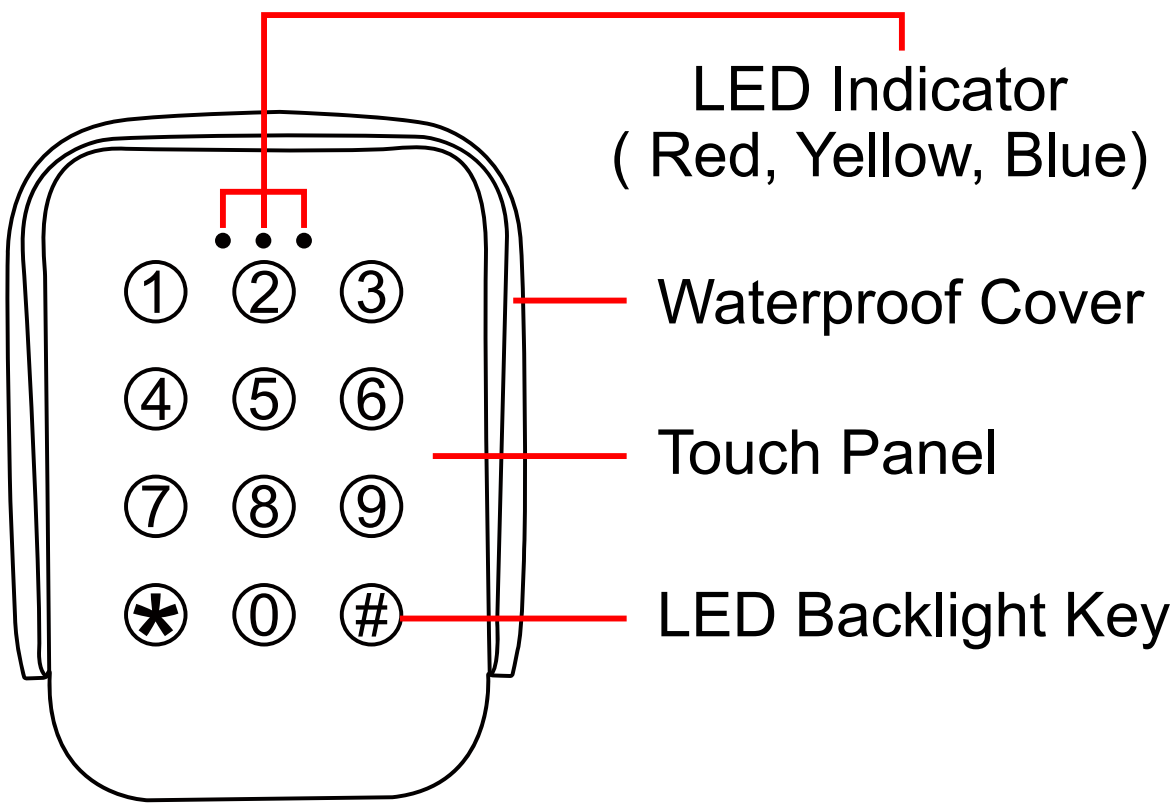


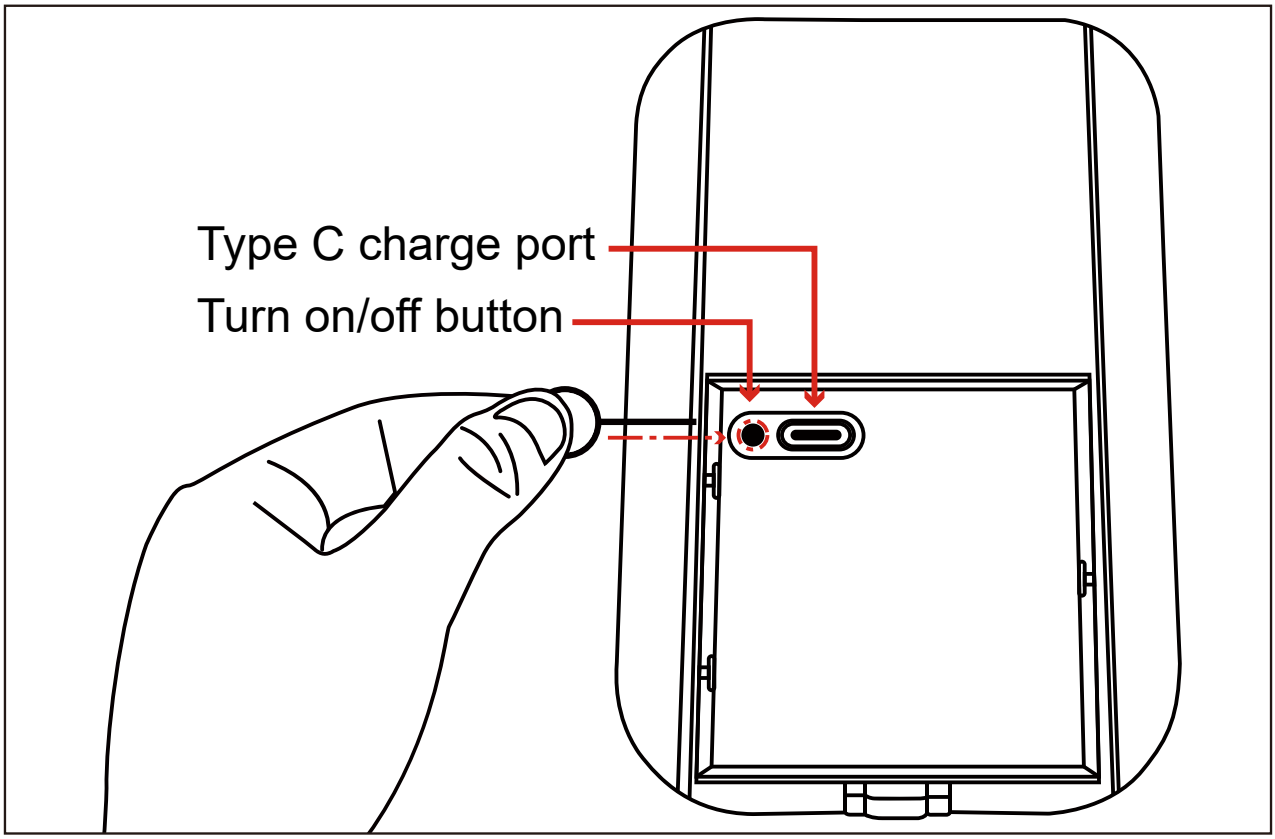


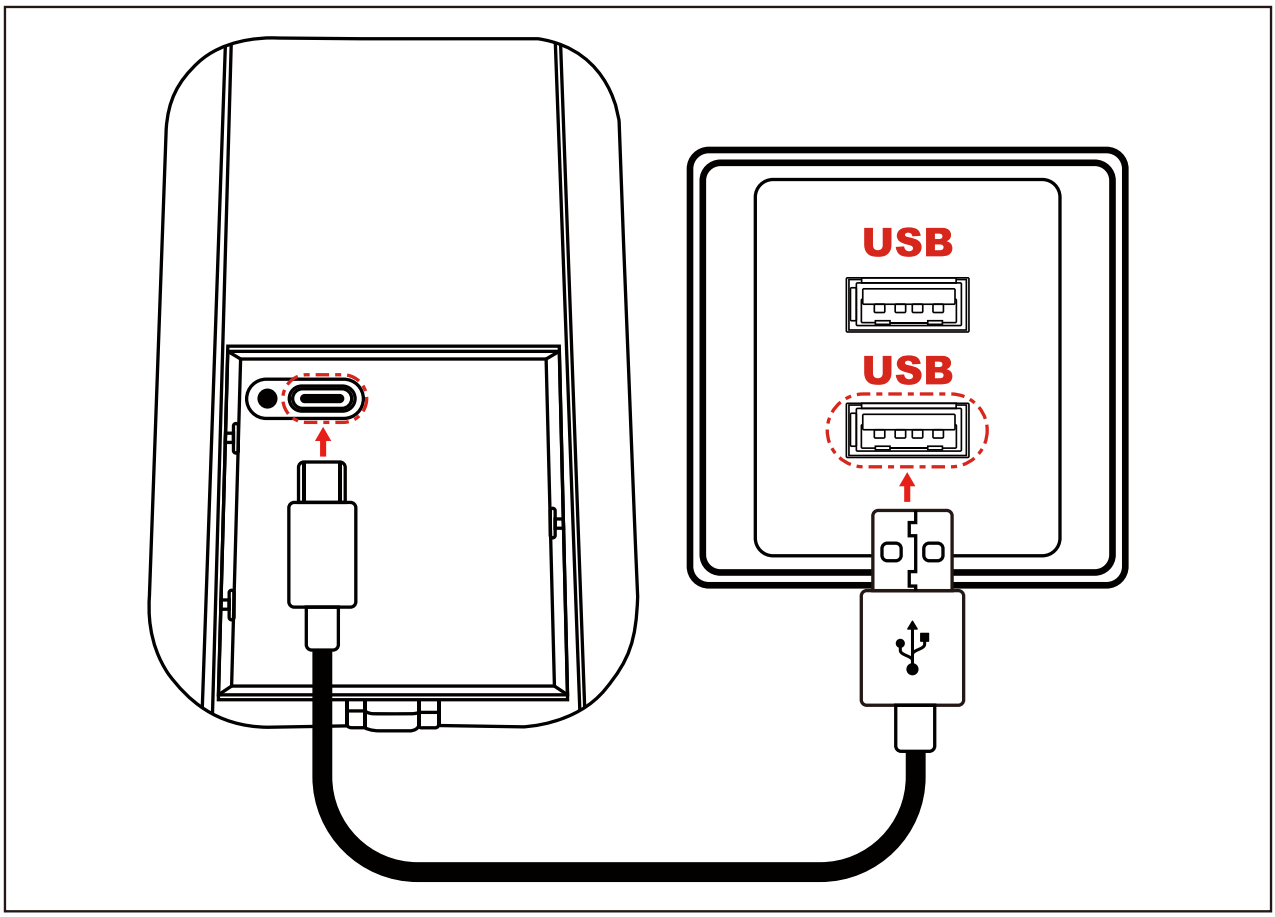
Feature

- Press any button to activate the keypad.
- 2 Channels control mode independently.
- Low battery prompt function: If the battery power is low (3.4V±0.5), the device will sound 3 beeps after activation.
- Prevent your passcode from being spied on.
- Power on/off the keypad.
- Charge the keypad by the type-C port.
- Mute and unmute the buzzer.
- Turn on/off the backlight.
- Keypad deactivation while there is a wrong passcode.

Keypad Overview



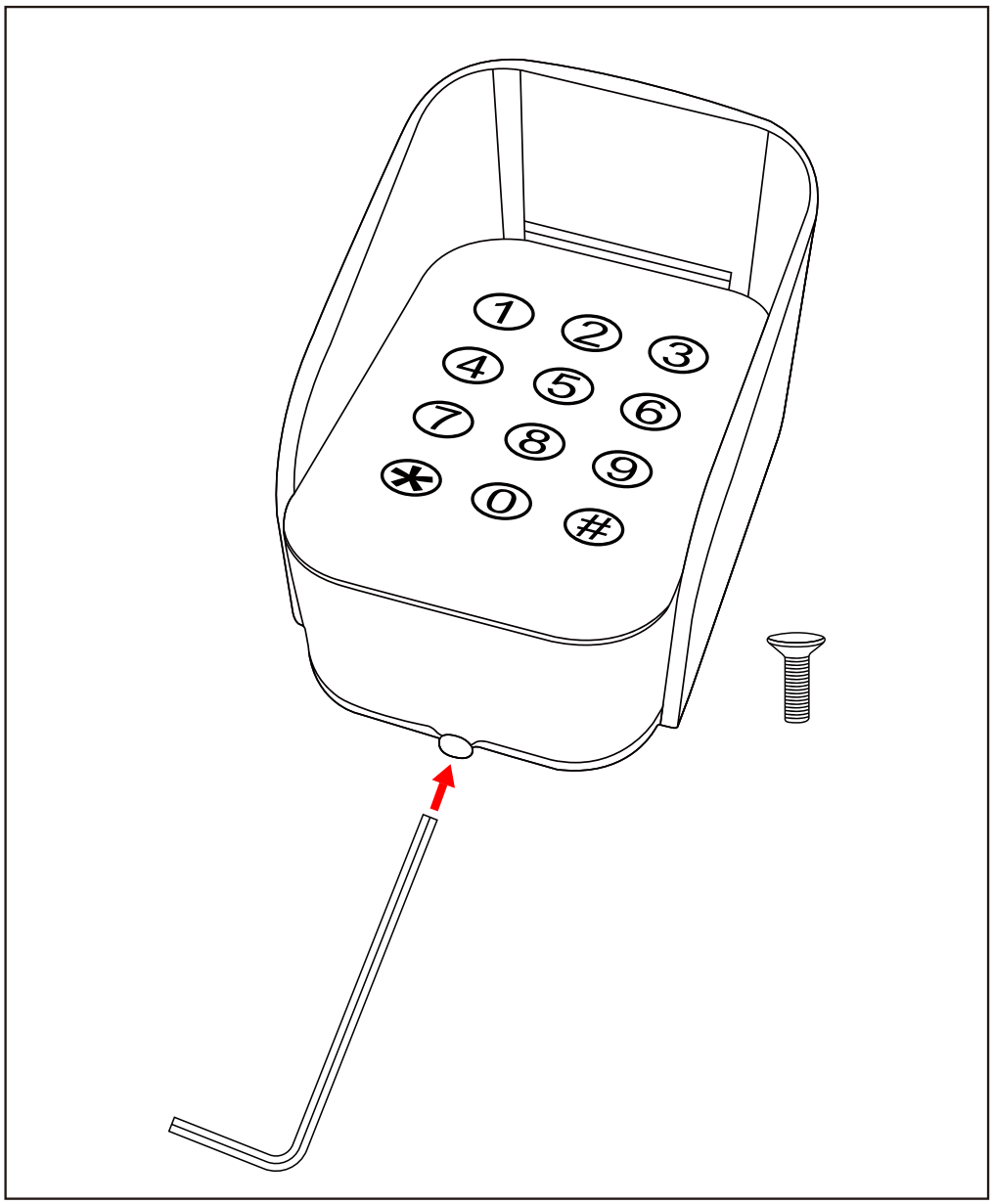

Type C charge port
Turn on/off button


USB
USB

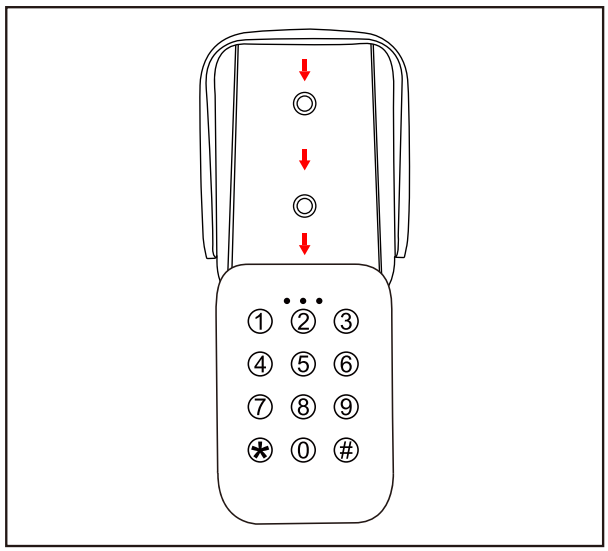
Note! Please charge the keypad to the power is fully first, then install and operate it. During the charging, its red indicator will light on and goes out when the charging is completed.

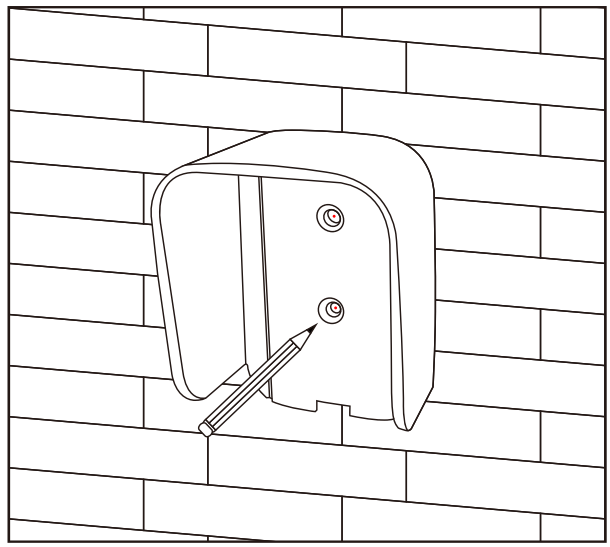
Assembly & Mounting

1. Your wireless keypad should arrive with the cover installed. Use the provided hex wrench to remove the cover locking bolt. Place the bolt nearby.



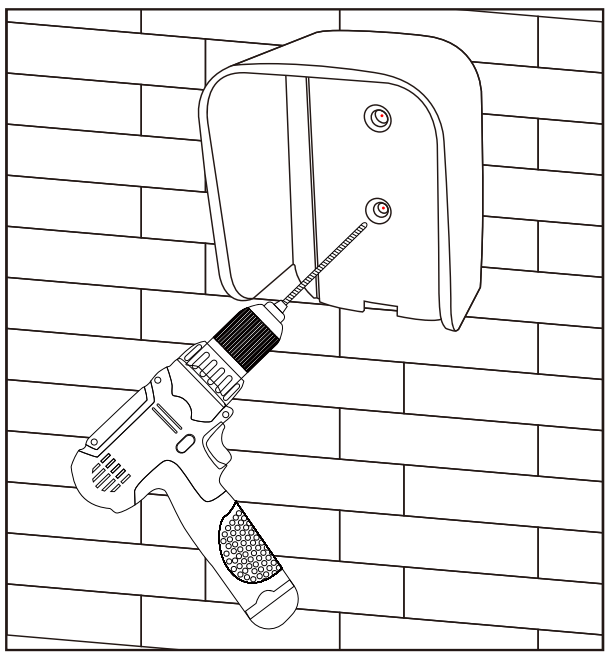
2. Slide the keypad out of its cover to expose the mounting holes. Press the cover against the wall on which you desire to install your keypad. Make two dots on the wall through the holes using a pencil or an equivalent (not included).

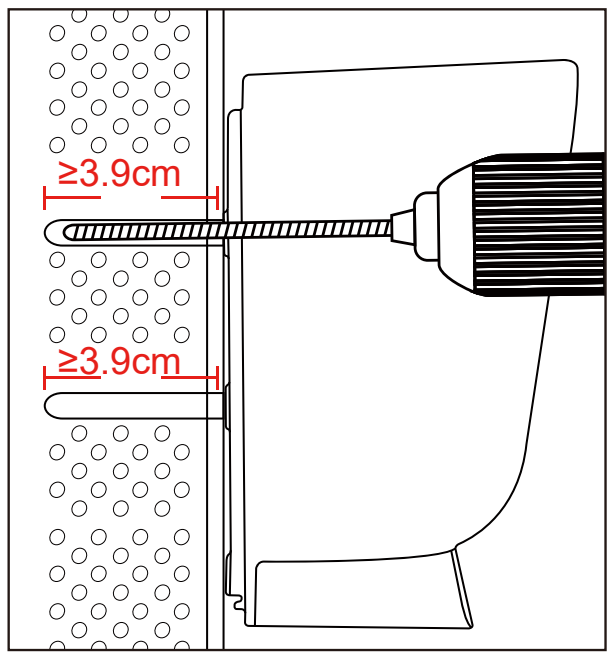




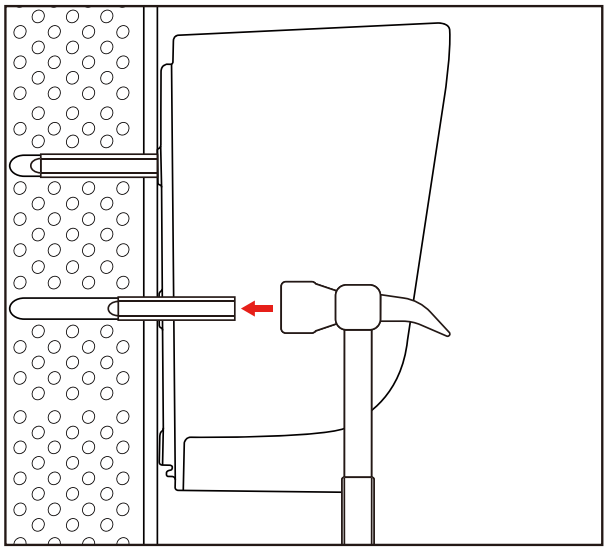
3. Match the anchors against your drill bits, being sure the one to use is only a bit bigger wider than the anchors.

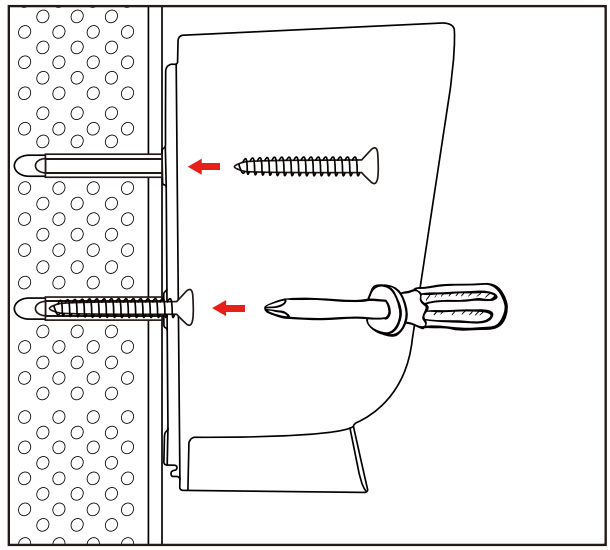
4. Drill two holes where the dots were marked using the selected drill bit, being sure you go at least 3.9 cm into the wall.





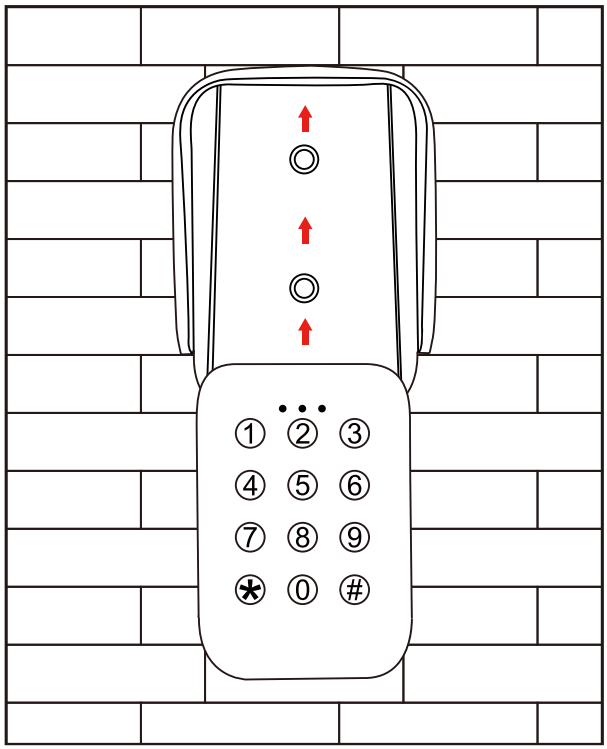
5. Hammer the anchors into the holes using your hammer (not included.) Mount the cover using the provided mounting screws ensuring that its closed end faces up.

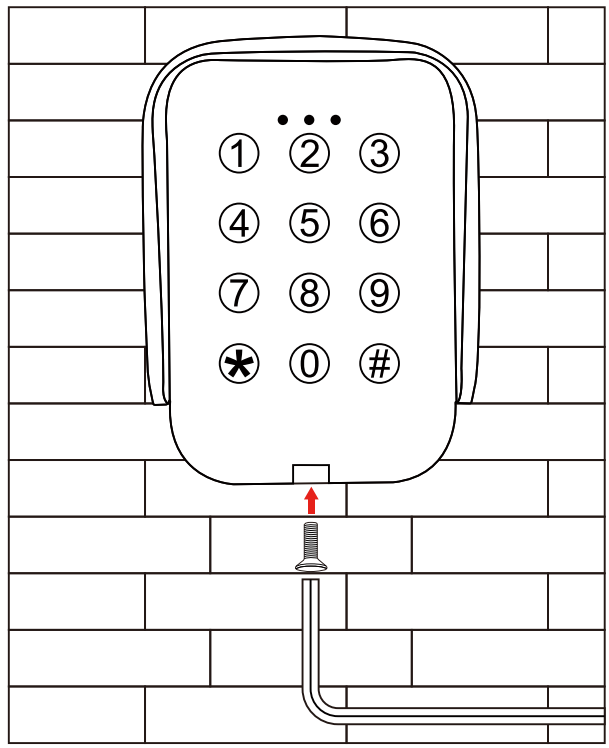




6. Slide the keypad back in, being sure the end with an interlock.

7. Presses against the interior of the cover. Replace the cover locking bolt and secure the keypad.





Operation Description

1. When the keypad enters the programming mode, if the keypad does not receive the further command within 6s, the keypad will exit the programming mode automatically.
2. During the programming mode, if the operation is mistake, the keypad will exit the mode automatically after several seconds. And enter the master passcode again to activate the programming mode.
3. As long as the "⊛" or "#" button is encountered during programming, the system will receive the instruction and then determine the correctness of the instruction operation. If it is incorrect, it will automatically exit the programming mode; if it is correct, it will continue to execute.
4. During programming, if the number of digits input by the user exceeds the numeric button of the system command, the system will default to a user error and automatically exit the programming mode.
5. When enter the passcode in working mode, the interval between each number cannot exceed 6 seconds, otherwise the system will automatically ignore the previously entered numbers.
6. Each time the passcode is correctly verified, the corresponding RF code will be emitted for 3 seconds.
7. **Indicator light description:** the red light is the charger indicator light, it lights up when charging and goes out when charging is completed. The yellow light is the transmitting indicator light, which lights up when transmitting a RF signal. The blue light is the programming indicator light, it will keep flashing when entering the programming mode.

Operation Instruction

When there is no operation on the keypad within 8 seconds, the system will enter sleep mode. If the user needs to activate the keypad, please press the any buttons.

★ Factory defaults all passcode are four(4) digits in the length.

★ Enter 4 digits passcode and end with "⊛" or "#", that is activating the keypad.

★ The mater passcode is 0000, and the channel 1 passcode is 1111, and the channel 2 passcode is 2222.

★ User can modify the default passcode as below process. When the keypad enters the programming mode, its blue light will keep flashing until exit the mode.

● Power ON.

Remove the button dust plug from the back case, use the pin to press the button, and it will turn on the keypad when it is off.

● Power OFF.

In the power-on state, use the pin to press and hold the button for about 2 seconds. When the buzzer sounds, release the button. The buzzer will sound a long beep and then turn off.

If you find that the buzzer keeps beeping after you turn on the keypad, which means that there is large metal or magnetic field interference at the current location, causing the card coil calibration to fail. Please turn off the keypad first, and remove the interference, and then turn on the keypad again.

● Reset the keypad.

Remove the button dust plug from the back case, use the pin to press and hold the button, for about 10 seconds, the buzzer will sound a long beep twice, and all the LED indicator will light on and off, which means the reset operation is successfully. Now all the passcode and pamaraters are reset to factory defaults.

Now the factory defaults the master passcode is 0000, the channl 1 passcode is 1111, and the channel 2 passcode is 2222.

● How to program the new master passcode.

For this example, we are going to use 8888

Step 1. Enter 0000 and "⊛". The keypad will sound a long beep and its blue indicator will light up.

Step 2. Enter 69 and "#". The keypad will sound a long beep.

Step 3. Enter a new programming mode protection passcode 8888 and "#". The keypad will sound a long beep followed by a short beep to confirm the new passcode has been programmed. And it will auto-exit the programming mode.

● How to program the new passcode for channel 1 and 2.

For this example, we will add 5555 as channel 1 new passcode.

Step 1. Enter new master passcode 8888 and "⊛". The keypad will sound a long beep.

Step 2. Enter 01 and "#". The keypad will sound several beeps. (The number of beeps is used to inform the user which passcode is currently being set.)

Step 3. Enter a new control passcode 5555 and "#". The keypad will sound a long beep followed by a short beep, confirmimh that the new control passcode has been saved for channel 1. And the keypad will auto-exit the mdoe.

Step 4. Programming the new control passcode for channel 2, please reference the above operation. The Step 2 operation is to enter 02 and "#".

Note!

1. The channel 1 can be programmed with 8 groups of passcode, and the channel 2 can be programmed with 3 groups of passcode.
2. The red indicator will flash 5 times, which means the passcode already exists, and auto-exit the programming mode.
3. After entering passcode programming, if the passcode is full programmed, the red indicator will flash 5 times to indicate to you that now the passcode is fully programmed. If the user still enters the new passcode as step 3, the first programmed passcode will be deleted, and this new passcode will be the last passcode of this channel.

- **How to pair the keypad with controller.**

Step 1. Enter master passcode 8888 and "✱". The keypad will sound a long beep.

Step 2. Enter 55 and "#". The keypad will sound a long beep.

Step 3. Enter 01 or 02 and "#". The keypad will sound a long beep followed by a short beep. Then the keypad will transmit an RF signal for about 10 seconds.

Step 4. For example, power on your gate opener, press the "Learn" button on the control board, and then the keypad will be programmed into the control board. Enter the 4-digit passcode for channel 1 (such as 5555 and end with #) to test the gate opener.

Factory defaults, the function of channel 1 and channel 2 are same as your remote button 1 and button 2.

● **Operate the keypad to control the system.**

For this example, we will use 5555 as the channel 1 passcode, and 6666 as the channel 2 passcode.

Step 1. Power on the system.

Step 2. Enter 5555 and "#", the system will be controlled by the channel 1. Or enter 6666 and "#", the system will be controlled by the channel 2.

This keypad includes an anti-spying mode. To prevent your passcode from being spied on, follow the steps below.

1. Enter any numerical buttons (0-9) of the keypad and followed your 4-digit passcode and end with "#".
2. The keypad will automatically sort out your correct passcode and control the system.
3. Such as, enter 12345678909876555 and "#" , the system will be activated.

● **Button value switching for the channel 1 and channel 2.**

Factory defaults the button value for channel 1 and 2 are 01 and 02.

Step 1. Enter master passcode 8888 and "*". The keypad will sound a long beep.

Step 2. Enter 59 and " # ". The keypad will sound a long beep.

Step 3. Enter the channel digital number 01 or 02, and enter the button value such as 04 and "#" . The keypad will sound a long beep followed by a short beep. Then the keypad will confirm the button value of channel 1 or channel 2 already be switch. (for example, enter 0104#, which means the button value of channel 1 was switch to 04)

Factory defaults, button value are includes 0001=01, 0010=02, 0100=04 and 1000=08)

● **passcode testing.**

Follow the below steps to find out which channel a passcode is using.

Step 1. Enter master passcode 8888 and "⊛".
The keypad will sound a long beep.

Step 2. Enter 86 and "#". The keypad will sound a long beep.

Step 3. Enter the 4-digit passcode and "#".

★ If the keypad sounds a long beep, that means it belongs to channel 1. And if it sounds a long beep twice, that means channel 2.

★ If the keypad sounds a short beep, which means not exist.

Step 4. The keypad will auto-exit the mode.

● **Reset the passcode for Channel 1 and 2.**

If you forgot your passcode, follow the steps below to reset the passcode for channel 1 and channel 2.

Step 1. Enter master passcode 8888 and "⊛".
The keypad will sound a long beep.

Step 2. Enter 00 and "#". The keypad will sound a long beep followed by a short beep, confirmimg all the passcode have been deleted. And the keypad will auto-exit the mode.

Now factory defaults the passcode 1111 for channel 1, and passcode 2222 for channel 2

● Muting or unmuting the buzzer.

Step 1. Enter master passcode 8888 and "⊛".
The keypad will sound a long beep.

Step 2. Enter 36 and "#". The keypad will sound a long beep followed by a short beep, the mute operation has been saved. And it will auto-exit the mode.

1. Factory defaults turn on the buzzer, it will sound a beep while the user press any buttons.
2. Muting the buzzer, it would not sound a beep while the user presses any buttons, but its backlight will flash to remind the user.
3. During the user enters the programming mode, turns on/off the keypad, or resets the keypad, the buzzer still sounds even if the user mutes the buzzer.
4. The buzzer only has mute and unmute states. After each setting, the buzzer will be on/off cycles.

● Turn on or off the backlight.

Step 1. Enter master passcode 8888 and "⊛".
The keypad will sound a long beep.

Step 2. Enter 39 and "#". The keypad will sound a long beep followed by a short beep, and the turn off the backlight operation has been saved.

The keypad only has turn on or off the backlight states. After each setting, the backlight will be on/off cycles. Factory defaults turn on the backlight.

● Battery power checking.

Step 1. Enter master passcode 8888 and "⊛".
The keypad will sound a long beep.

Step 2. Enter 89 and "#". A long beep means the battery has a serviceable life, while a short beep accompanied by a lit red light means the battery needs to be charged.

● Security lock.

When the keypad enters the programming mode or transmits an RF signal, the keypad allows it to enter an incorrect passcode twice. When an incorrect passcode is entered for the 3rd time, the buzzer will sound a beep three times, the red indicator will stay on and the keypad will be locked for about 2 minutes. Prevent illegal users from trying to open the door by trying to enter the passcode. After 2 minutes, the keypad will sound a beep and the red indicator turns off, and then the keypad unlocks automatically.

After the keypad is locked, it can't be unlocked directly after powering on again. You must wait for the 2 minutes countdown to complete before it can be unlocked.

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