

Installation Instruction

User Guides



W-TX

Wick transmitter for wicket door kit

I. Description

1.1 Overview

The Wireless wicket door sensor is an intelligent and highly secure garage door management system designed to prevent the garage door from malfunctioning when the pass door is open. Through the wireless sensor installed on the pass door, the device can monitor the status of the pass door in real time and automatically disable the operation of the garage door when the pass door is open, thereby ensuring the safety of users and vehicles.

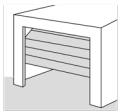
1.2 Features and Advantages

Advanced wireless technology: Adopting efficient wireless communication technology, no wiring required, easier installation.

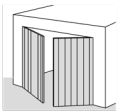
Stability and reliability: Through anti-interference design, ensure stable and reliable signal transmission.

Low power design: Use low power consumption components to extend battery life and reduce maintenance frequency.

1.3 Scenarios of Use



Sectional doors



Swing doors

II. Features and Technical Data

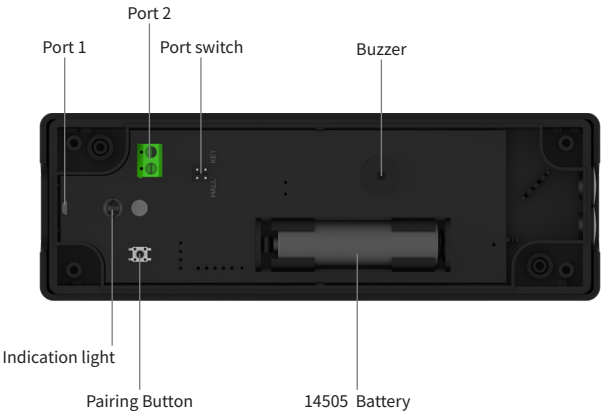
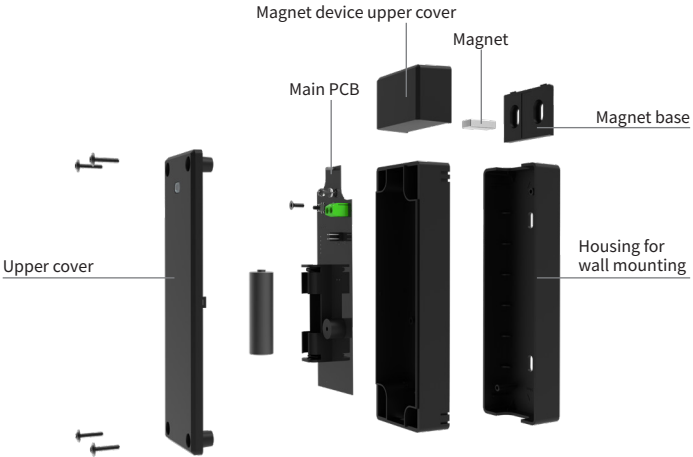
2.1 Features

- Magnetic sensor.
- Height adjustable mounting base for the various wicket doors frame
- Trio-Frequency technology for anti-interference
- Range between transmitter and sensor: 25mm.
- Contact-free magnetic detector.
- Approximate battery life of 2 years under a normal home garage door

2.2 Technical Data

Model	W-TX
Radio technology	Trio-Frequency technology
Frequency	Multi from 409.025 MHz – 458.4 MHz
Signal modulation	FSK
Signal range	20 meters
Power supply	3.6V DC (3.6V lithium battery)
Channels	2 channels
Battery capacity	2600mAh
Operating consumption	75 ua
Standby	18 ua
IP grade	IP 65
Operating temperature	-20°C - + 60°C

III. Product Composition Display

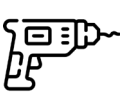


- Port 1: HALL magnetic sensor
- Port 2: Port for the extension sensor, support the magnetic switch sensor or the micro switch sensor
- Pairing Button: Button for pairing with receiver
- Port switch: Switch button for port 1 or port 2 selection
- Indication light: Green light shown when the magnetic sensor communicated (Pass door is closed),
Red light shown when the magnet sensor uncommunicated (Pass door is opened)
- BUZZER: Alarm prompts unpaired or low battery warning
- 14505 Battery voltage: 3.6V, 2600mAh

IV. Installation and Configuration

4.1 Tools

For fast and safe installation of Wireless wicket sensor, the following tools are recommended:



Pistol drill



Tape measure



Screwdriver

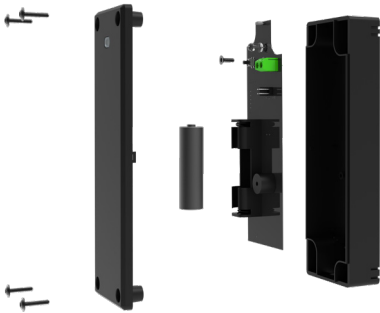


Pencil

4.2 Installation Steps and Operating Instructions

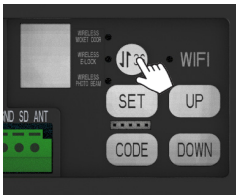
4.2.1 Before installation, first perform a PAIRING TEST to ensure that the product functions normally and avoid the inconvenience of code matching after installation.

— Step Instructions:



Step A


Open the shell assembly, use a screw driver to open the wicket door device cover, and install the appropriate battery.(Only support the 14505 Battery)



Step B

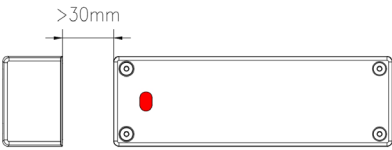
Wireless wicket door pairing steps.



- 1. Press and hold the wireless accessories coding button ON MOTOR for 3 seconds.
- 2. Check if the LED light is on and the panel display  , it means now the motor now is in pairing mode.

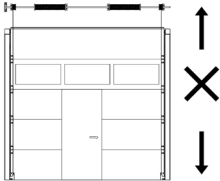


- 3. Press and hold the Pro version GDO/ IDO coding button ON E-LOCK for 3 seconds.
- 4. After the LED light ON THE MOTOR flashes,check if the corresponding indicator light is on.(the indicator light color changes according to the device status).



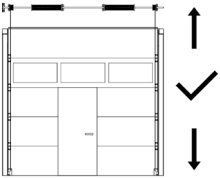
Step C

Use the magnetic device to keep more than 30mm away from the wicket door device. The red light of the device lights up and then off, and the door cannot be controlled by the motor. The test is passed.



Step D

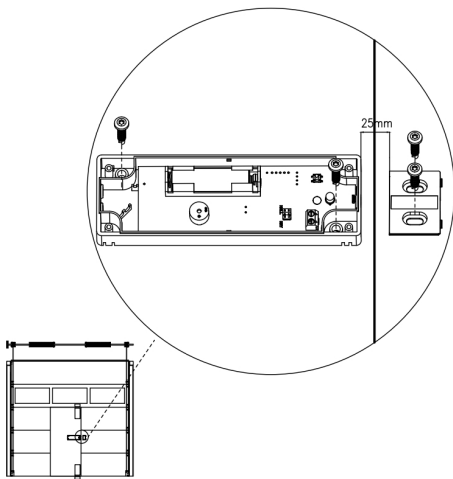
Use a magnetic device to get closer to the pass door device within 25mm. The green light of the device lights up and then off. The door can move and the test is passed.



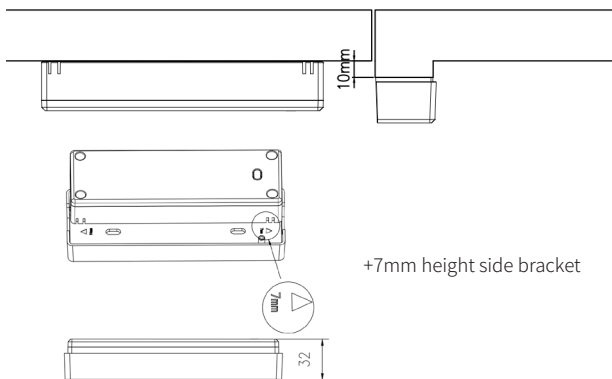
4.2.2 Pass door bracket height selection

Before installation, please place the pass door device and the magnet sensor at the desired installation position and check whether there is any height difference.

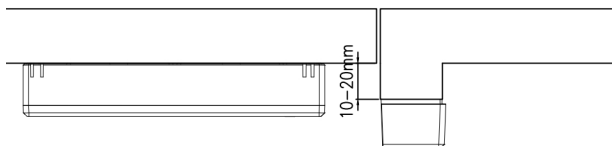
If they are in same height level, the pass door device can be directly fixed on the main door panel as picture below.

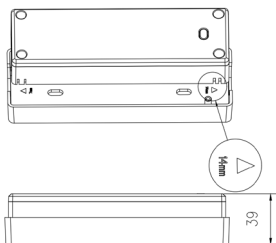


If the height gap is about 10mm, adjust the mounting bracket in the +7mm height side.



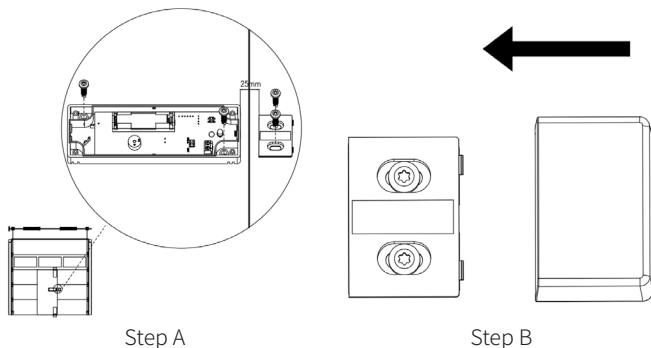
If the height gap is about 10mm-20mm, adjust the mounting bracket in the +14mm height side.





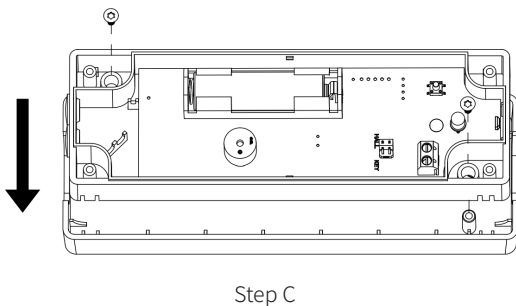
+14mm height side bracket

4.2.3 Wireless Wicket Door Sensor bracket installation



Install the mounting bracket on the right height level

Magnet sensor installation



After installing the mounting bracket, fix the wireless pass door device on the bracket



Note: The best installation distance between the wireless wicket door device and the magnet sensor is within 25mm.

4.3 Parameter Selection and Commissioning

4.3.1 Port select

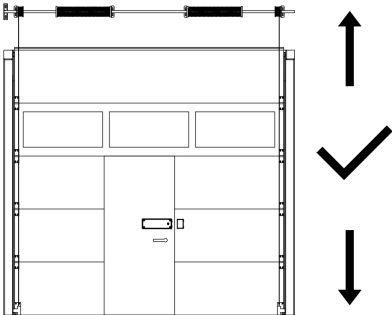
If the jumper cap is in the HALL position, port 1 is enabled.



4.3.2 Test on a real door

After the device is installed, the door can be opened and closed normally when the pass door is closed.

If the door cannot open or close, check step 4.2.1 B and step 4.2.2 until the problem is solved.

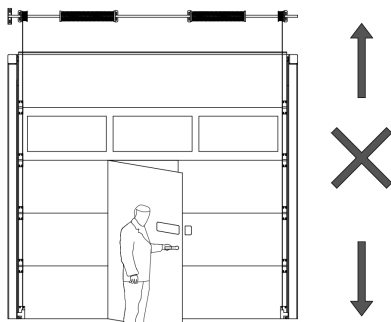


After installing the device, the door cannot be opened and closed normally when the pass door is opened.

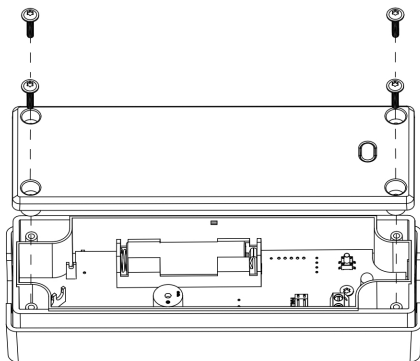
If the door still can be opened or closed by the motor, check step 4.2.1 B and step 4.2.2 A until the problem is solved.



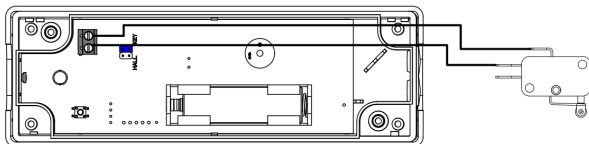
Note: Please make sure someone is standing next to the wicket door and open the wicket door about 10cm before testing. If the door still opens by the motor, please close the wicket door quickly and use the remote control to pause.



4.3.3 Finish adjustment and test, install upper cover.



4.4 Port 2 select Select the jumper cap to the KEY position, then the port 2 function is enabled, and you can use the extension cord connecting with micro switch to trigger the wireless wicket door sensor.



V. Service Devices



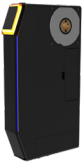
Wireless Wicket Door



F-box



Receiver For Safety System



Multi-Drive



Control Box Pro version



Garage Door Opener Pro version

New coming products

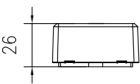
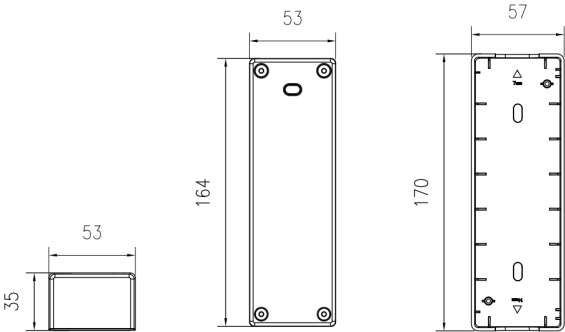
VI. Appendix

6.1 Packing List

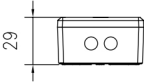
Description	Qty
Mounting Bracket for Heightening	1
M5*25mm screw	4
M3*15mm screw	2
Wireless wicket door device	1
Manual	1

6.2 Actual Product Dimensions

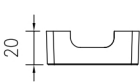
Unit of Length: mm



Magnet sensor



Wireless wicket door device (Transmitter)



Mounting bracket for Heightening

Notes:


1. Low battery ALARM:

If the battery of the wicket door device is low and it starts to ALARM when opening and closing the wicket door, please observe the prompts of the device you paired.

ALARM can be 2 ways: BEEP ALARM or LIGHT ALARM. (please refer to the corresponding manual for details).

If the battery power is very low, device can not work, and the door can not do any action.

2. How to cancel codes?

If you need to cancel the wireless device, press and hold the button  of the paired device for more than 8 seconds until the paired device's wireless light turns off.

Then, all wireless security devices paired with this motor will be deleted and need to be coded again.

And you need to code them one by one if necessary. (please refer to the corresponding manual for details).

3. How to replace the battery?

Please use the corresponding tools to open the upper cover of the wicket door device and replace the 14505 lithium battery.

Note: the voltage is DC3.6V, capacity: 2600mah.



Detailed Instructions for Coding with Related Devices

