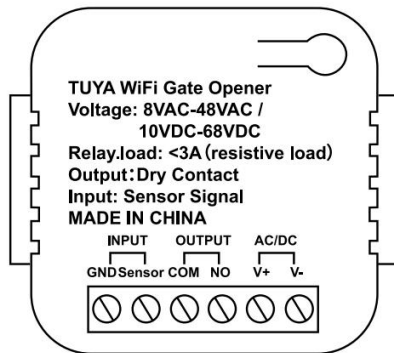


One-channel wireless intelligent Controller

YET479WTR-DC V1.0

- - - <Special for Access Control Systems> - - -

USER MANUAL



➤ Overview

This single-channel wireless intelligent controller, independently designed and manufactured by our company, outputs switching signals via one relay. It controls garage door motors, rolling shutters, automatic doors and other gate devices requiring pulse signal control.

This wireless receiver features high security, large memory, stable performance, low power consumption and simple operation.

No jumper or DIP switch coding is needed; just receive and store signals from remotes or wireless door magnetic sensors for pairing.

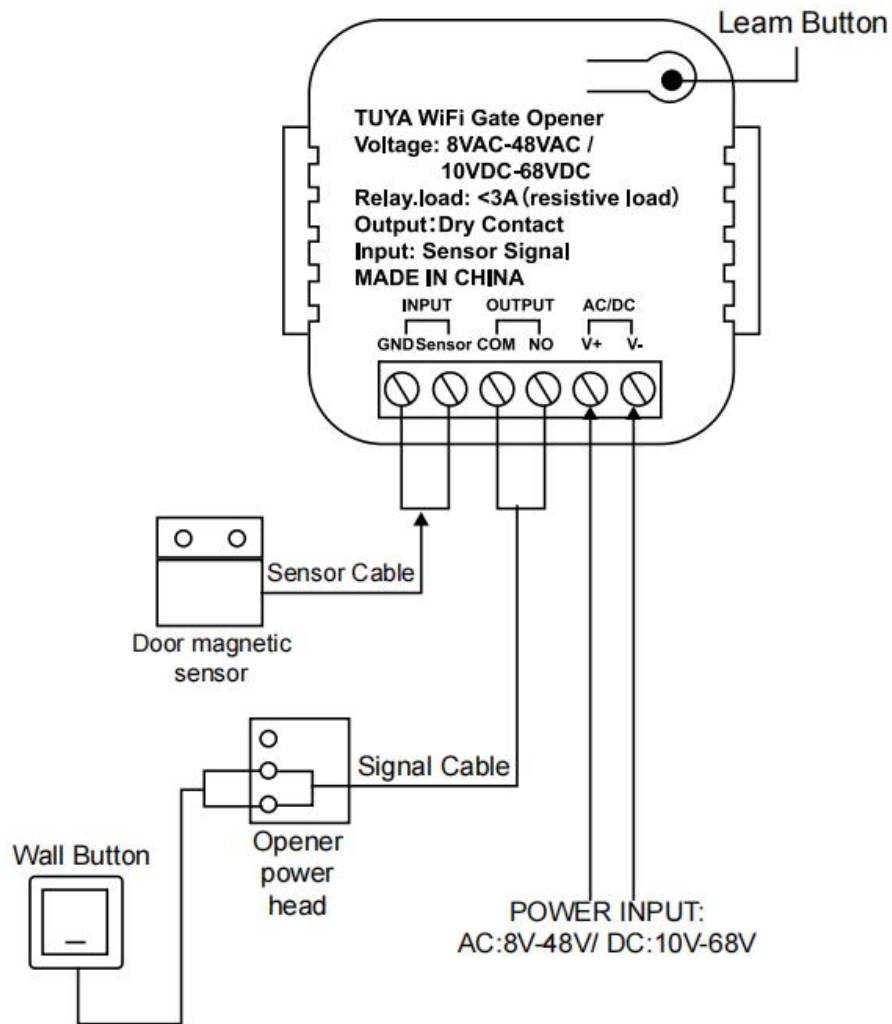
➤ Product Features

- ◆ Decoding Compatibility: Compatible with most wireless remote controls available on the market, including fixed code chips (2262, 2260, 2264, 5326, M1E, M5E, etc.), learning code chips (1527, 2240, 6P20B, 6P20D, etc.), rolling code chips (HCS301, HCS300, HCS200, HCS201, HCS100, HCS101, etc.), and partial custom remote controls (such as CAME).
- ◆ Supports RF remote control learning and RF wireless door magnetic sensors learning.
- ◆ Supports remote control via the Tuya App
- ◆ Supports Wi-Fi network configuration upon power-up, or Wi-Fi pairing via the learning button on the device.

➤ Technical Specifications

Operating Voltage	AC 8V~48V / DC 10V~68V
Standby Current	≤35mA @12VDC
RF Receiving Frequency	433.92MHZ
RF Receiving Sensitivity	≤ -105dBm
Relay Contact Current	≤3A@30VDC / ≤3A@250VAC (Output: dry contact pulse signal)
Learnable Remote Buttons	28 total (25 remote control buttons + 3 wireless door magnetic sensors)
Wireless Door Magnetic Sensor Spec	Dry contact output; closed signal when attached, open signal when separated
Operating Temperature	-20℃ ~ +60℃
Storage Temperature	-30℃ ~ +80℃
Dimensions (L*W*H)	48mm*35mm*16mm

➤ Product Wiring Diagram



➤ Product Function Introduction

- ◆ Code Learning & Code Clearing
- ❖ Learning Mode Selection: Select the corresponding pairing mode for remotes, RF wireless door magnetic sensors and Wi-Fi configuration as shown in the table below:

Button Press times	LED Flash Times	Learning Device	Function Description
1	3	Remote control	Triple short press the learn button to enter remote pairing mode. Upon successful pairing, the relay pulls in for around 800ms then releases on each valid trigger.
2	4	RF Wireless Door Magnet Sensor (Door Closing Operation)	Short-press the learning key twice consecutively to enter the RRF Wireless Door Magnet Sensor learning mode. Manually close the door; the RF wireless door contact will transmit a door-closing signal. Repeat the operation multiple times until pairing is successful.
3	—	enter WiFi network configuration mode	Short tap the learn button three consecutive times to activate WiFi pairing mode.

- ❖ Learning (Pairing) Operation:
- ✧ Press the Learn/Clear Code button; the learning light turns on and extinguishes instantly upon release. The interval between two presses shall be less than 1 second. If the button is released for ≥ 1 second, the learning light stays steady to indicate learning mode activated.
- ✧ After entering learning mode, hold the remote button to be paired or trigger the wireless door contact to send signals for at least 0.7 seconds. The learning light flashes slowly several times then turns off to signal successful pairing.
- ✧ e-learning the same remote button will not add new records;

<Important Notices>:

1、When pairing the wireless door magnet sensor, please ensure you trigger it to send a "door closed" signal. If a "door open" signal is sent instead, the device will interpret it as the "door closed" function, causing the door status displayed in the app to mismatch the actual state. The company accepts no liability for any safety risks resulting from this!!!

2、If no valid remote or RF door contact signal is detected within 15 seconds in learning mode, the learning light turns off and the system exits learning mode automatically.;

3、Fixed-code remotes such as 2262 and 5326 cannot be learned or controlled when all dip switches are set to the middle position;

4、When memory is full, newly learned remotes or RF door contacts will overwrite the first stored device

❖ Code Clearing Operations:

- ✧ Hold the Learn/Clear Code button for about 6 seconds and release when the learning light flashes rapidly. The light will flash six times then turn off, clearing all records of remotes, RF door contacts and wired door contact status.
- ✧ After data clearing, all devices must be re-learned to enable control and door status feedback.

◆ Door Status Detection & State Instructions

This controller supports three sources for door status: software default (when no door sensor is installed), wired door sensor input, and RF wireless door sensor status feedback; wired door sensor input takes the highest priority. Based on the currently available status source, the controller displays statuses such as "Open," "Closed," "Opening," or "Closing" in the app.

- ❖ If no wired or RF door magnet sensor is installed, the controller defaults to door open after power-on. Each trigger via remote or Tuya App will let the controller judge open/close action by current state, and estimate full open/closed status based on the travel time set in Tuya App.
- ❖ With wired door contact installed: low input level means fully closed door, high level means partially closed or open door. Unconnected input defaults to high level, indicating door open.
- ❖ After successfully learning the RF wireless door magnet sensor, the Tuya App displays fully closed when receiving its close signal, and open when receiving its open signal.

◆ Control Methods and Operating Instructions

- ❖ This controller features single-channel pulse output : Whether controlled via a learned remote or the door control button in the Tuya App, the relay engages and then automatically disengages upon each valid control action.
- ❖ When holding the remote button for continuous signal transmission, only one relay pulse is triggered per long press. A new pulse will be generated only after releasing and re-pressing the button.

◆ Tuya Wi-Fi Control

❖ Wi-Fi Network Configuration:

- ✧ Search "Smart Tuya" in the app store to download and install the Tuya App;
- ✧ Power on the controller to initiate network pairing. If the controller has not previously been paired, it will automatically enter pairing mode upon power-up (indicated by a slowly flashing red light); to manually re-enter pairing mode, briefly press the "Learn" button three times.
- ✧ After entering pairing mode, open the Tuya app, tap the "+" icon in the top-right corner, and select "Add Device" from the pop-up menu to access the device addition page; once the device is detected, add it to complete the pairing process.

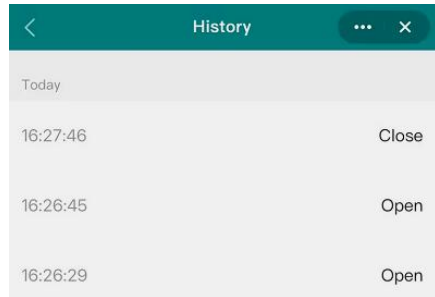
❖ Main Control Interface:



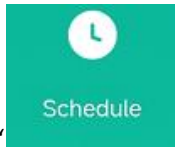
- ✧ Supports query of door opening & closing records:



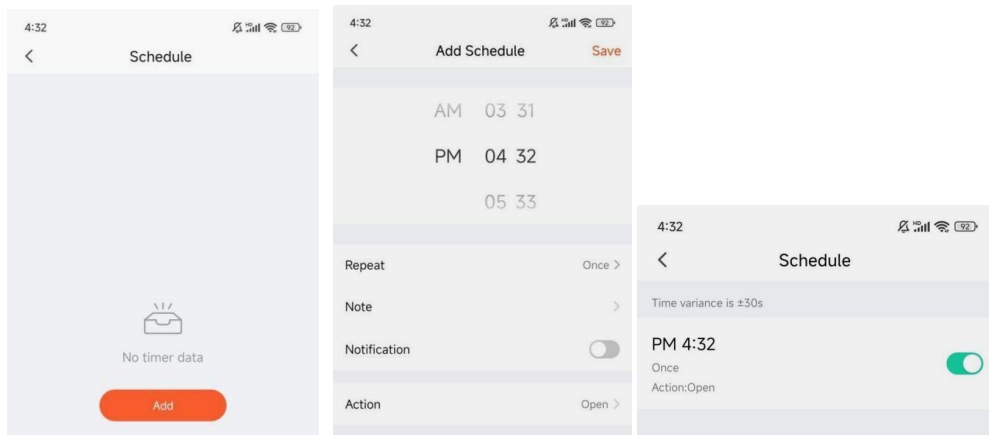
Tap the record icon “History” at the bottom of the main page to view door operation history;



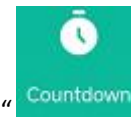
- ✧ Supports scheduled door open & close settings:



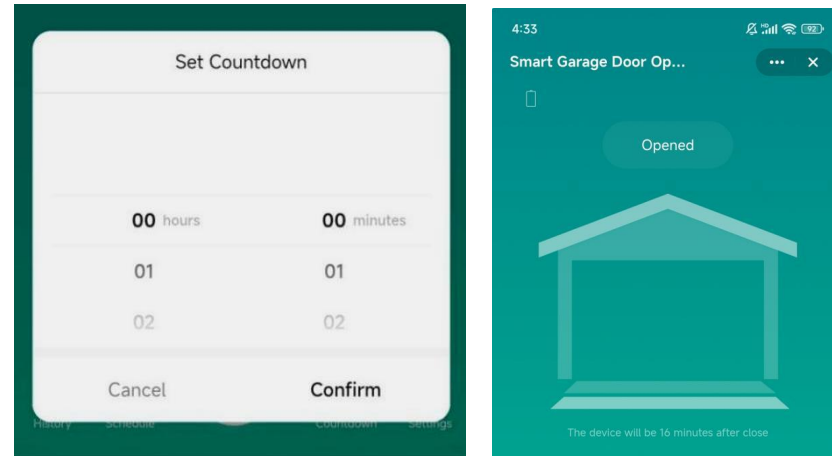
Tap the “Schedule” at the bottom of the main page to enter the scheduled door control page for timing configuration. This single-channel controller only outputs one relay pulse for scheduled open/close commands. The actual door action (open or close) depends on the real-time door status.



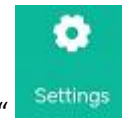
- ✧ Supports countdown door open & close functions



Tap the “Countdown” at the bottom of the main page to access countdown door control settings. The final action (open or close) after countdown expires depends on the real-time door status: it will open the door if the door is closed. After setup, the main page displays the remaining countdown time and corresponding door action.:

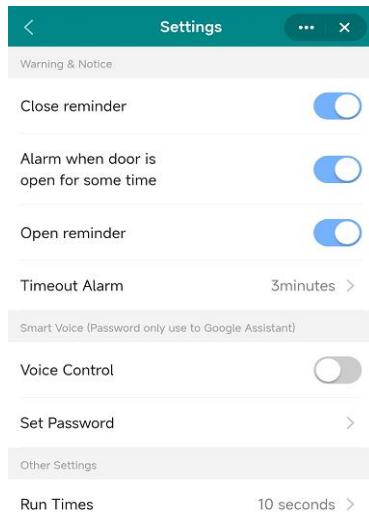


- ✧ Supports auxiliary function configuration:



Tap the “Settings” at the bottom of the main page to configure all auxiliary functions:

- ✓ Alarm notification function is configurable, see the setting page below::



✓ Configure the "Smart Voice" function; this feature is currently disabled:

Set the travel time for the animated door "Open/Close" action, as shown in the settings interface below:



Special Notes:

1、The "Door Left Open" function works with timeout alarm. After enabling it and setting a time threshold, a mobile notification will be sent if the door stays open beyond the set duration.

2、"Travel time" refers to the duration of the "opening" or "closing" animation displayed on the main interface; this timing is linked to the door operation animation and the door status indicators. When the controller is not equipped with a wired or wireless door magnet sensor, the travel time determines the duration required for the door to reach the fully open or fully closed position.

3、The "Voice Control" and "Set Password" functions are not yet enabled.

Supplementary Notes:

- ◆ This device can store up to 25 remote control buttons and 3 RF wireless door magnet sensor;
- ◆ The remote control features a single-button cyclic function to control the door's "open/close" operation, while the RF wireless door sensor provides feedback on the door's open or closed status
- ◆ The app interface only displays animations for the "Open" and "Closed" states; if the door stops midway, the interface continues to show the "Open" or "Closed" animation.
- ◆ If the user has not installed a wired or RF wireless door magnet sensor, the controller defaults the door's initial state to "Open" upon its first operation; users can configure the "travel time" in the app based on the door's actual operating duration to estimate its open/closed status (however, installing a wired or wireless door magnet sensor is recommended for a more accurate display of the actual status).
- ◆ After removing wired or RF wireless door magnet sensor, power cycle the device. Otherwise the unit will keep detecting the contact as connected, causing inconsistent door status between APP and reality.
- ◆ When a user closes the door remotely via the app, if the "door-closed" signal from the door magnet sensor is not detected after the preset "travel time" has elapsed, the app will display a "Invalid" alert. This indicates that the door has not closed properly or the sensor is damaged; the user should promptly verify the actual cause to prevent potential safety risks.