

User Manual

WiFi Relay Switch TY-DIY-S01



Checklist before using the device:

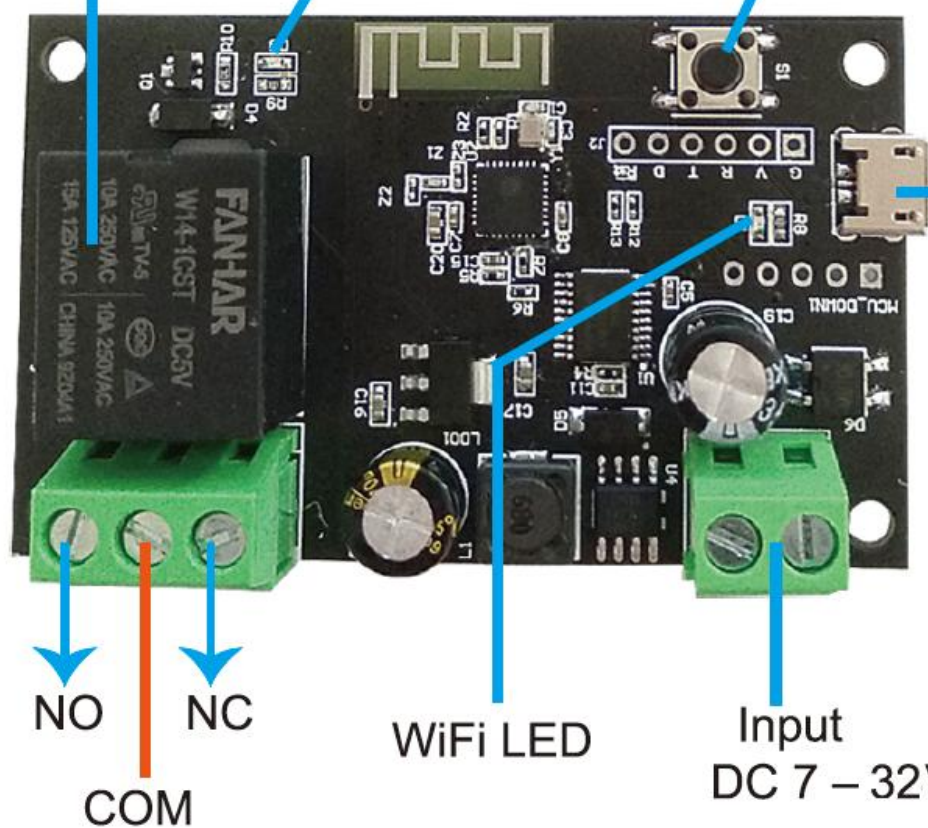
1. Your USB power adapter should be more than 500mA output
2. Your smart phone or tablet should have connected a 2.4G WiFi internet
3. The device only supports 2.4G WiFi. If you use a 5G router (it provides two WiFi Signal: 5G and 2.4G), please select the 2.4G WiFi to connect your smart phone.
4. Download and install the Tuya Smart APP or Smart Life APP from APP Store or Google Play Store. Register and log in.
5. During pairing process, make sure that your IOS or Android device and the device are within the range of your WiFi router.
6. Make sure your router is MAC-open, if not, please cancel the router's MAC filtering setting first

Specifications

Relay Load: AC 250V
DC 30V 10A

ON-OFF LED

Pairing Button
Manual Switch



Micro-USB 5V/500mA

NO

NC

COM

WiFi LED

Input
DC 7 – 32V



Tuya Smart



Smart Life

Add Device

1. Power up the device by micro-USB or DC 7 – 32V terminal
2. Keep pressing the pairing button (for 5 seconds) until led indicator fast blinks
3. Launch the APP, Tap the icon + on the top right to add a device. Then select Electrician  Socket (WiFi), confirm the indicator LED rapidly blinks.
4. Select the 2.4G WIFI as the one your mobile device connects with, Input correct passwords. Then, Tap Next.
5. It will auto-connect with the device. The process will take 1 minute. Once the process is complete, it will prompt you that you can rename the device. Enter a new name and Save.

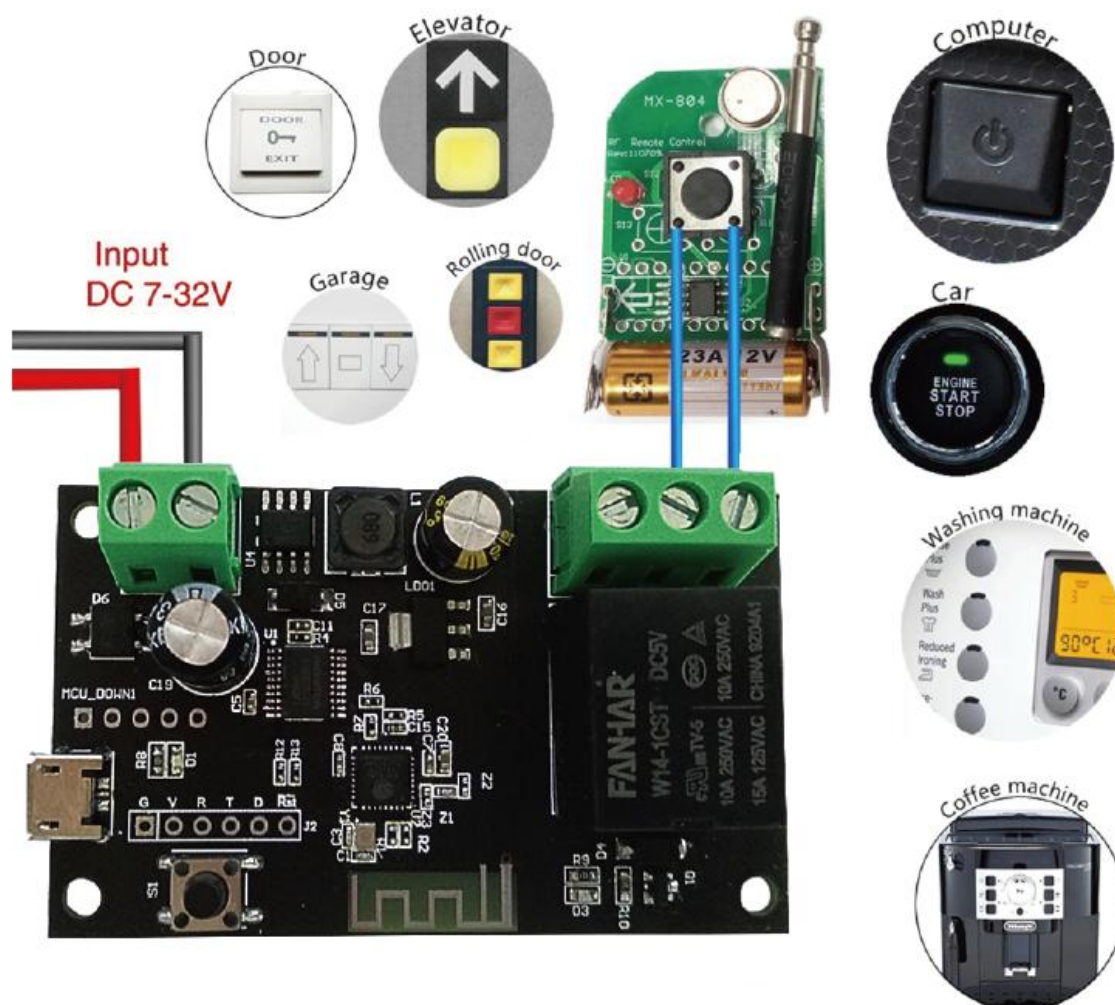


Note: If you fail to add it during the process, it will prompt you the FAQ, please read carefully and retry accordingly.

Inching mode

Once you press the manual switch or control from the app, the relay will activate for a moment (The time you set on APP), then release automatically.

You can use it to control the gate/door opener/ elevator/computer/remote controller key/ any momentary buttons.

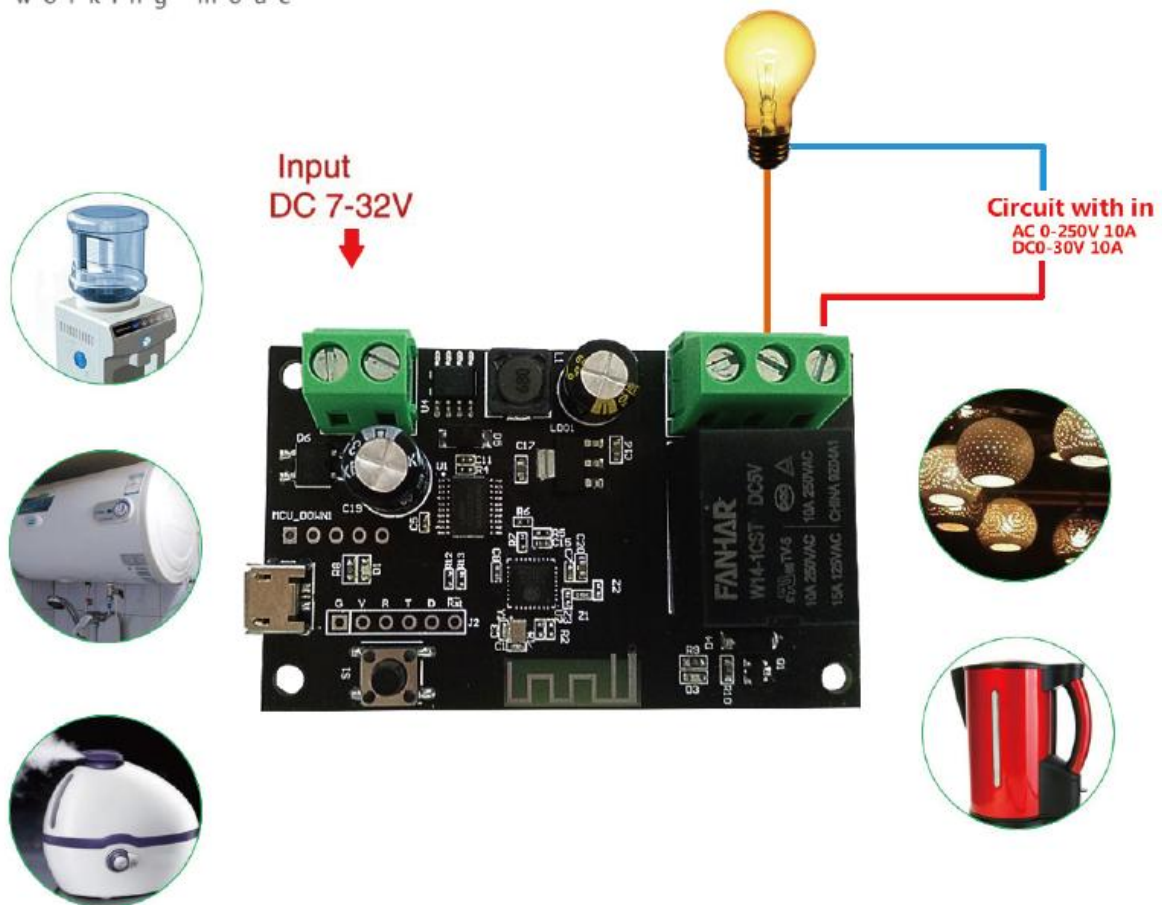


Selflock mode

Once you press the manual switch or control from the app, the relay will activate to keep ON or OFF normally

You can use it to control the light/fan/humidifier or other home appliances.

Self-locking working mode



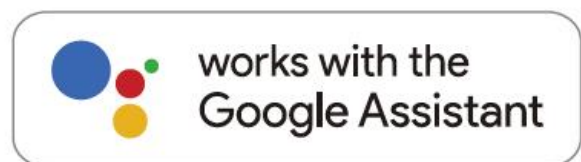
Work with Alexa



1. Open Alexa APP, tap on the menu on upper left corner, Go to Skills.
2. Enter "Tuya Smart" or "smart life" in the search field and search.
3. Tap "Tuya smart" or "smart life"
4. Enable the skill
5. Enter your account information and tap on "Log in" to link your account to your Amazon account.

Works with Google Home

1. Launch Google Home app, tap the menu.
2. Tap Home control.
3. Under Devices, tap the + icon.
4. Tap "Tuya Smart" or "Smart Life"



Work with Siri

1. Tap "Smart" on the bottom of the APP.
2. Tap "+" on the right top of the APP.
3. Select "Scene" enter smart setting
4. Enter your Smart Name on the top. Such as "Turn on inching" .
5. Tap "+" on the right to add one or more execution actions.
6. Select your inching device, set the inching time on your APP.
7. Tap "Set Siri triggering scenario".
8. Tap the button on the bottom, Say out your command for Siri. Such as "Turn on inching"
9. Tap "Done" on the right top
10. Tap "Save" on the right top.
11. Just speak to your iPhone "Hey, Siri, Turn on inching", "OK".

FCC Statement

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.

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

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 important announcement

Integration instructions for host product manufacturers according to KDB 996369 D03 OEM Manual v01

2.2 List of applicable FCC rules

CFR 47 FCC PART 15 SUBPART C has been investigated. It is applicable to the modular transmitter

2.3 Specific operational use conditions

This module is stand-alone modular. If the end product will involve the Multiple simultaneously transmitting condition or different operational conditions for a stand-alone modular transmitter in a host, host manufacturer have to consult with module manufacturer for the installation method in end system.

2.4 Limited module procedures

This module is Limited single modular without shielding, host manufacturer have to consult with module manufacturer for the module limiting conditions when integrate the module in the host. module manufacturer should reviews detailed test data or host designs prior to giving the host manufacturer approval.

2.5 Trace antenna designs

Not applicable

2.6 RF exposure considerations

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.

2.7 Antennas

This radio transmitter 2A7TT-TYDIYS01 has been approved by Federal Communications Commission to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Antenna No.	Operate frequency band	Antenna Type	Maximum antenna gain
2.4GWIFI	2400-2500MHz	PCB Antenna	2.5dBi

2.8 Label and compliance information

The final end product must be labeled in a visible area with the following" Contains FCC ID: 2A7TT-TYDIYS01".

2.9 Information on test modes and additional testing requirements

Host manufacturer which install this modular with limit modular approval should perform the test of radiated emission and spurious emission according to FCC part 15C:15.247 and 15.209 requirement, only if the test result comply with FCC part 15.247 and 15.209 requirement, then the host can be sold legally.

2.10 Additional testing, Part 15 Subpart B disclaimer

Host manufacturer is responsible for compliance of the host system with module installed with all other applicable requirements for the system such as Part 15 B.