

How to connect WIFI **A**

- 01** 1. Download "TuyaSmart" APP on the mobile application platform
2. Register with mobile phone number



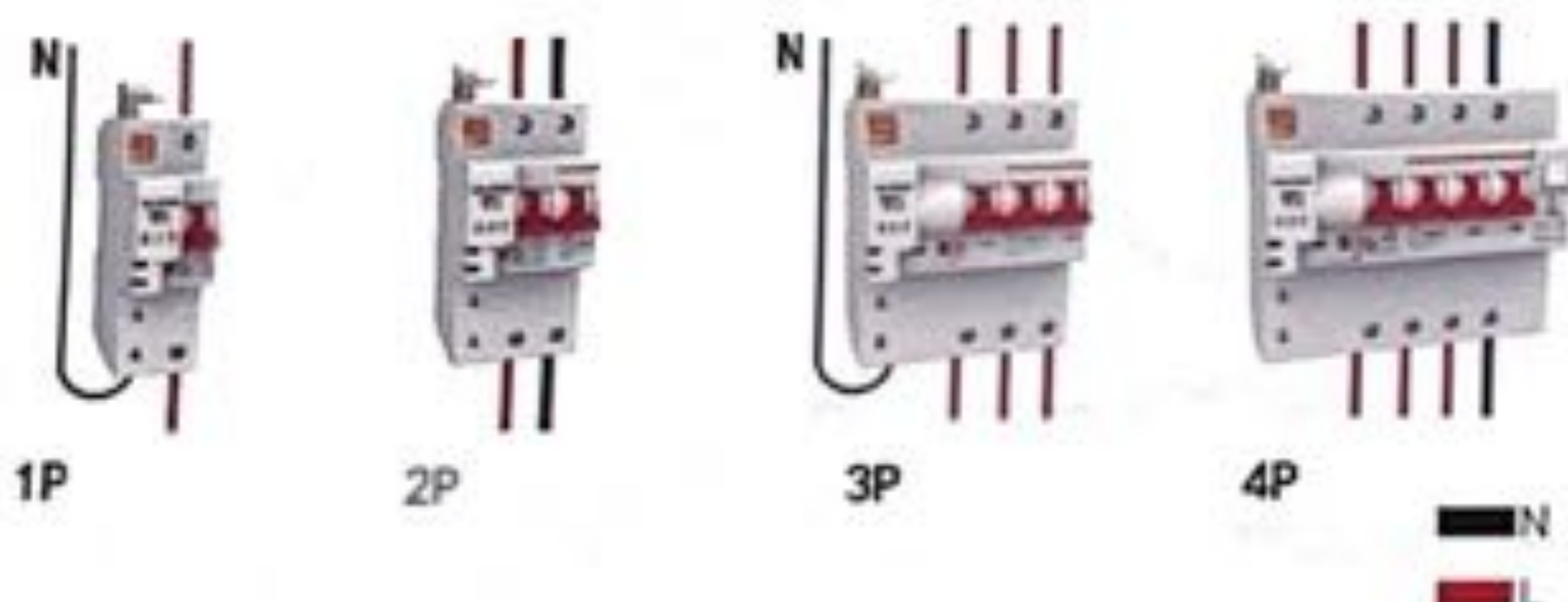
Tuya Smart

Search "Tuya Smart"

- 02** 1. Enter the APP main page, click the red "+" button in the upper right corner
2. Select the circuit breaker (WIFI) in the electrician column



- 03** 1. Connect power according to the following picture. Upper is input, Under is load.
2. Wait about 5 seconds after the power is turned on, and the paired lights will flash evenly.



- 04** 1. Enter the WiFi name and password;
2. Make sure that the circuit breaker pairing light is flashing fast, and press Next in the APP;



- 05** 1. According to the APP prompt and wait for the device to be added;
2. The pairing is successful, you can use it;



Set button **C**

- ◆ The product is equipped with a "setting" button, which is used for RS485 communication settings. There is no need to operate this button during the mobile phone APP pairing and control process;
- ◆ When you press the setting button once, the setting indicator on the product will turn purple, at this time the product come into the RS485 setting mode, the address and protection of the product can be protected through RS485 communication, Modify parameters such as threshold settings. Press the setting button again to exit the RS485 setting mode
- ◆ When the setting button is not operated, 15 minutes will automatically exit the automatic mode.

Compatible button **D**

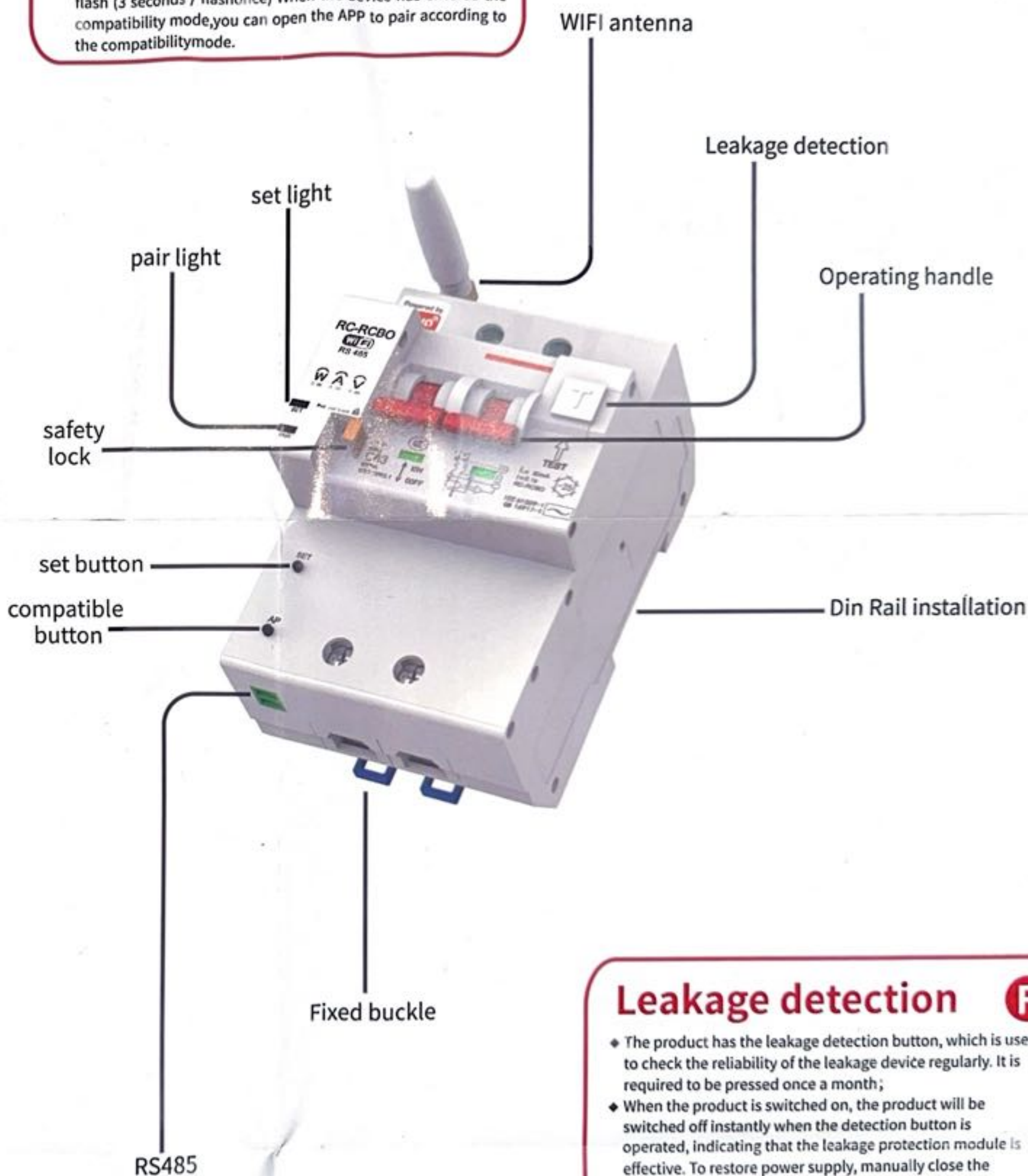
- ◆ The product is equipped with a compatible button, which is used when the mobile phone pair in compatible mode;
- ◆ When pairing in compatibility mode is required, when the product is normally powered on, Press the settings button, the light turns purple, press the compatibility button for 5 seconds, then release after 5 seconds, wait about 15 seconds after release, the device pairing light will change to a slow and even flash (3 seconds / flash once) When the device has entered the compatibility mode, you can open the APP to pair according to the compatibility mode.

Set light **E**

- ◆ There is a "setting" light on the product, which will light up normally after power on, indicating that there is power to enter
- ◆ When the product is in the closed position, set the light to blue. When the product is in the open position, set the light to red
- ◆ When the setting button on the circuit breaker is pressed once, the indicator light will turn purple. Press again, Will be restored to its original state;

Pair light

- ◆ There is a pairing light on the product, and the flashing mode of the light explains the state of the product;
- ◆ When the display is steady on, it means that the pairing work is normal and is in network operation;
- ◆ When the display flashes evenly (0.5 seconds / flash once), it means the product is in fast mode;
- ◆ When the display is flashing slowly and evenly (3 seconds / flash once), it means that the product is in compatibility mode;

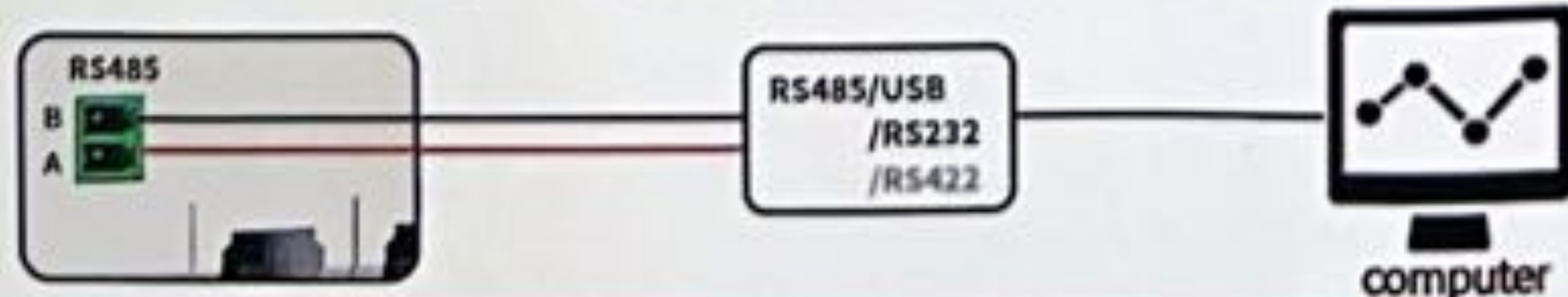


Leakage detection **F**

- ◆ The product has the leakage detection button, which is used to check the reliability of the leakage device regularly. It is required to be pressed once a month;
- ◆ When the product is switched on, the product will be switched off instantly when the detection button is operated, indicating that the leakage protection module is effective. To restore power supply, manually close the switch, open the mobile APP and enter the setting interface to unlock the remaining current.
- ◆ The product supports manual operation of the detection button, as well as remote periodic or irregular detection by APP. When using the APP for remote detection, if the product is in good condition, it will be automatically closed after the product is switched on, waiting 5-10 seconds, and the line will restore normal power supply.

RS485 communication introduction **B**

- ◆ The product supports RS485 communication interface to communicate with the host computer;
- ◆ Users need to pair the auxiliary equipment such as the host computer, serial line, converter, driver, etc .
- ◆ During the installation and construction, please carry out when the electrical circuit is powered off, and connect correctly according to the RS485 corresponding A \ B port to ensure safety and correctness
- ◆ In the power-on state, press the setting button once to modify the setting value through the test software. After the setting is completed, press the setting button once to complete the setting



Mechanical lock **G**

- ◆ Under the original position, normal controlled opening and closing operation can be performed;
- ◆ When the fail-safe closing mechanism is pulled out of the position, the circuit breaker will be kept in the opening position. In this state, the circuit breaker cannot be closed for operation.
- ◆ If the mechanism needs to be reset to the original position, please follow the steps in the figure.



Manual

Please save this manual, the product wiring diagram. Information such as common problem handling and technical parameters must not be lost.

Installation matters **I**

- ◆ When operating and installing, please be sure to carry out under the condition of power off to ensure personal safety;
 - ◆ This circuit breaker is for up-in and down-out. It does not support down-in. Please connect it correctly. For wiring diagram, please read the wiring diagram of this manual;
 - ◆ Wiring strictly according to the requirements of the wiring diagram, the position of the neutral line and the live line cannot be exchanged, otherwise it will lead to inoperability or product damage. Especially for 1P and 3P products, the zero line must be connected at the corresponding position, as shown in the wiring diagram on the front of this manual;
 - ◆ During the pairing operation, the circuit breaker should be paired in the open state to avoid tripping for unknown reasons during the pairing process;
 - ◆ The product adopts the internal power supply method. Please ensure that the voltage of the incoming terminal is stable and reliable. The first time it is powered on, it should wait more than 5s before pairing operation;
 - ◆ Before the product is used, the first pairing operation needs to be performed. After the pairing is completed, there is no need to re-pair the operation;
 - ◆ The product should be as close as possible to the WiFi router during use, to reduce the wall barrier as much as possible, and to ensure the signal strength. If it is installed in the edge zone where the WiFi signal covers, the fluctuation or drift of the WiFi signal will cause the product to go offline offline;
 - ◆ In addition to the temperature range that meets the requirements of the national standard of $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$, it can also operate reliably in the extreme ambient temperature of $-25^{\circ}\text{C} \sim +65^{\circ}\text{C}$;
 - ◆ The altitude of the installation site does not exceed 2000m, and it should be used for derating in high altitude areas. It is recommended to reduce the capacity by 10% for every 1000m of altitude;
- While this product supports mobile APP control, it also supports RS485 communication;

Problem handling **J**

- ◆ **Light does not shine**
If the setting light is off, check whether it is a lower cable, this product only supports the upper cable;
The setting lamp is off, check whether the neutral wire is connected to the neutral wire terminal of the power supply as required, and the ground wire cannot be grounded;
Set the light to be off, cut off the power to the incoming end of the circuit breaker, re-energize, and try to see if the indicator light will be on;
The pairing light does not light, you can operate the setting button for 1 second, then the setting indicator will turn purple, then press the compatible button for 3 seconds, release; wait for about 15 seconds, see whether the pairing lamp returns to normal;
The pairing light is off, check whether the router WiFi signal is normal;
- ◆ **Unsuccessful pairing**
Check if the WiFi router is too far away from the circuit breaker;
Check whether the router name and password entered by the APP are correct. The name and password must not contain Chinese or special characters;
Check the pairing indicator, whether it has entered the fast pairing mode or compatible pairing mode; when the display is evenly flashing (0.5 seconds / flash once), it means that the product is in fast mode; when the display is evenly flashing (3 seconds / flash), indicating the product is in compatibility mode;
Check if there are multiple WiFi routers with strong strength in the environment, you should temporarily turn off unnecessary routers for pairing;
Check if WiFi is 5G or 2.4G, this product supports 2.4G, not 5G;
Check whether there are too many devices connected to the WiFi router, the router has an upper limit on the number of access devices;
Check whether the mobile phone is connected to the WiFi. When pairing, the mobile phone and this product must be connected to the same WiFi router;
You can use the "auto-discovery" method to pair, by downloading the APP → registering an account with a mobile phone number and logging in → correct wiring according to the wiring diagram → enter the main page of the APP, click the red "+" button in the upper right corner → select "Automatic" at the top of the interface Discovered → Start search When there is no abnormality in other inspections, you can try to pair through the compatibility mode;

Offline processing

Check if the WiFi router is working properly;
Check whether the WiFi and mobile phone are connected to the external network;
Check whether the phone is equipped with anti-virus software and other software that restricts access to specific apps;
Check whether the power supply at the incoming end of the product is normal;
If there is no abnormality, log out of the APP and try again to log in;
The product cannot be closed remotely

Check if the product is offline;
Check whether the WiFi connection to the external network is normal;
Check whether the mechanical lock of the product is pulled up, and the mechanical lock needs to be reset before the line is overhauled before closing;
Check if the child lock function is turned on in the setting interface of the APP. You need to release the child lock function before closing the door;
Check whether the threshold protection of current, voltage, residual current and temperature is turned on, the product may exceed the limit, and the protective opening;
Check if the APP has enabled the arrears trip function, there are arrears trip settings in the setting interface, the power recharge or cancel the arrears trip settings before they can be closed;
Check whether there is residual current protection (leakage protection) trip, if the line has leakage, please eliminate the line problem and unlock it in the APP settings interface before closing;
Quick phone pairing
Follow the instructions in Part A of this manual for pairing; in the case of pairing, the mobile phone networked WiFi router and the WiFi router where the circuit breaker is located should be performed in the same WiFi router environment;

◆ Compatible mode pairing (used in special cases)

Android operating system:
Power on the product → wait for about 5 seconds → press the compatible button once through the tool (the lower left button of this product) → wait for about 18 seconds → the device pairing light will become evenly flashing (3 seconds / flash once) → enter the APP and click on the upper right Press the "+" button, → select the WiFi circuit breaker in the electrician column → enter the WiFi name and password and click Next → click the button in the upper right corner of the confirmation indicator interface → select "hotspot distribution network (compatible mode)" → OK The indicator light flashes slowly (3 seconds / one flash) Next step → Follow the prompt to connect the device with SmartLife- x x x x name → After successful connection, return to Tuya Smart APP → Click Next → Wait for the pairing process → Pairing is successful.

◆ Apple IOS operating system:

Power on the product → wait for about 5 seconds → press the compatible button once through the tool (the lower left button of this product) → wait for about 18 seconds → the device pairing light will become evenly flashing (3 seconds / flash once) → enter the APP and click on the upper right Press the "+" button, → select the WiFi circuit breaker in the electrician column → enter the WiFi name and password and Click Next → click the button in the upper right corner of the confirmation indicator interface → select "hotspot distribution network (compatible mode)" → OK The indicator light flashes slowly (3 seconds / one flash) Next step → open the WiFi setting interface of the mobile phone as prompted → select the device connected to the SmartLife- x x x x name → return to the Tuya smart app after the connection is successful → click next → wait for the pairing process → Pairing is successful.

◆ Handle abnormally stuck

The abnormal sticking of the handle is mostly caused by the sudden power failure of the system during the movement of the internal motor of the product. Such as the over-level trip of the upper-level switch and the sudden power failure of the upper-end power supply. At this time, the customer does not have to worry, let alone force the wrench handle. The customer only needs to restore the normal power supply, wait a few seconds, the product will automatically reset to the normal state.

WiFi antenna **K**

- ◆ The product is equipped with a WiFi antenna, which is usually placed in the package. The top of the product has an antenna interface, and the customer needs to install it by himself;
- ◆ When installing, align the antenna plug vertically with the antenna interface on the product, and tighten the antenna to change the direction. After changing the direction, tighten it;
- ◆ After the antenna is installed, it should avoid contact with strong electric wires, avoid the frequency converter, soft start, rectifier equipment, inverter and other equipment close to or contact to reduce electromagnetic interference; When special external antennas are needed, please purchase SMA 2.4G WiFi special antenna separately;

Maintenance **L**

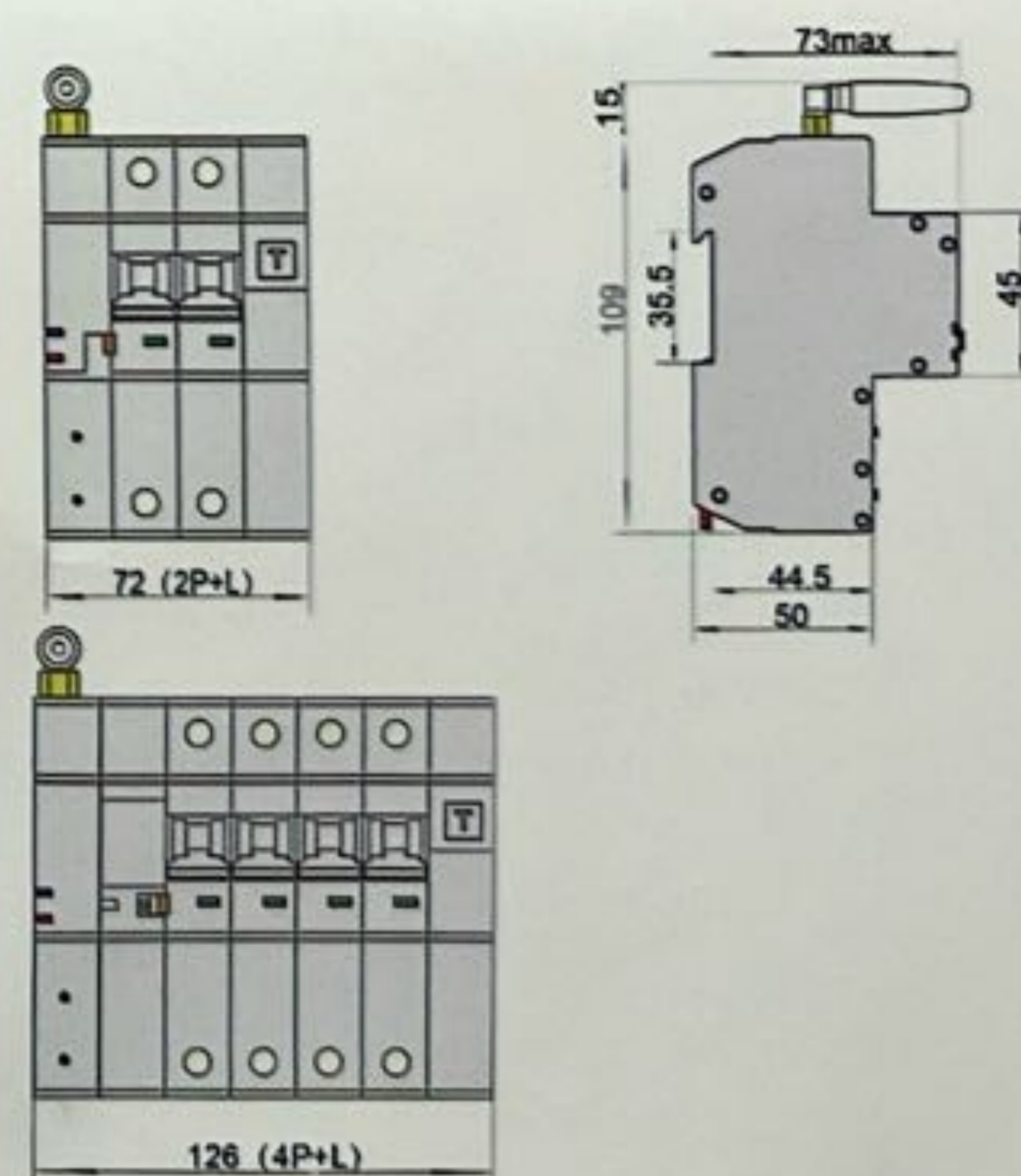
- ◆ Check whether the cross-sectional area of the wire is selected according to the actual current;
- ◆ Check whether the screws are loose or not tight, reinstall and tighten in time;
- ◆ Check the surface of the product for dust and insulation damage, if found, it should be cleaned or replaced in time;
- ◆ The operating characteristics of the circuit breaker are set by the manufacturer, and it is not allowed to disassemble and adjust at will to avoid damage to the product or misoperation;
- ◆ After purchasing, users need to read the manual completely in the first time. If they find that they cannot meet the customer's use or the safety environment, please stop using it immediately and contact the manufacturer for return and exchange;

Technical Parameters **M**

Conform to the standard: GB 16917.1 IEC 61009-1
CQC11-382301
Rated voltage: AC 230V (1P, 2P) / AC 400V (3P, 4P)
Rated frequency: 50Hz / 60Hz
Number of poles: with residual current protection 2P, 4P; without residual current protection 1P, 2P, 3, 4P;
Pollution degree: Level 2
Protection level: IP20
Installation category: II, III
Specified operating temperature: $-25^{\circ}\text{C} \sim +65^{\circ}\text{C}$
Frame frame rated current: 100A
Rated current: 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A
Instantaneous trip form: C type (conventional), D type (customized)
Icn: 3kA
Uimp: 3kV
Mechanical life: more than 10000 times
Electrical life: more than 6000 times



Product size **N**



Safety warning **O**

- ◆ It is forbidden to use this product for illegal and criminal activities. If it leads to illegal or criminal activities, the user shall bear all legal liabilities;
- ◆ It is forbidden to use this product for maintenance and isolation, so as to avoid personal injury or death caused by non-related personnel misoperation of remote control equipment during maintenance;
- ◆ Strictly follow the wiring diagram construction operation, the zero line and the live line must be connected to the corresponding position, especially 1P and 3P products. Otherwise it will lead to inability to work or product damage;
- ◆ When the circuit breaker protection trips, it is forbidden to carry out remote closing operation without checking the line or troubleshooting. Blind closing operation will result in personal injury or property damage;
- ◆ Considering the problem of the signal channel of the WiFi router, it is forbidden to use this product in the important facilities of fire control, boiler equipment, elevator equipment, medical instruments, emergency equipment. In order to prevent the device from losing control when the WiFi signal channel is accidentally interrupted or blocked, resulting in loss of personal property;
- ◆ If it is not used and constructed in accordance with the above clauses, the user bears all consequences and legal responsibilities;