Aqara Wall Switch D1 Introduction

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Product Profile

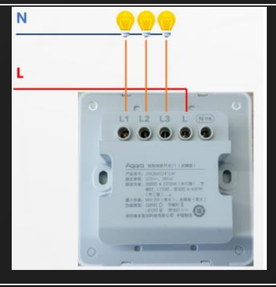
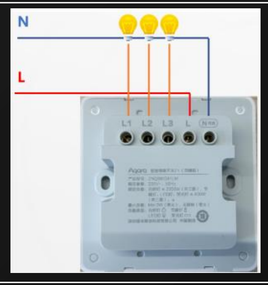
Based on the Zigbee 3.0 wireless communication protocol, the Aqara Smart Wall Switch D1 is a smart switch that turns on and off the power of lights and other connected devices. After binding with an Aqara hub, it can implement remote control via the Aqara Home app, timed control, power detection, power statistics (With Neutral Version) and other functions and can work with other smart devices in smart home automations.

*This product needs to be used with Zigbee3.0 hub device.

Specifications

Name	**Aqara wall switch D1**		
Version	Single Rocker	Double Rocker	Triple Rocker
Dimension	86*86*42.8mm	86*86*42.8mm	86*86*39.85mm
Material	PC		
Flame retardant grade	V0		
Wireless Protocol	Zigbee1.2		
Rated parameter	Max 10A, 220V~，50Hz		
Output power	Non neutral: minimum 3W /load, maximum 800W /load With neutral: 10A 2500W (total number of circuits)		
Maximum Load	Non neutral: Single and double rocker: 10A 800W (per load) Three keys: 10A 1600W (per load) With neutral: 10A total load power ≤ 2200W		
Standby power	Less than 1 W		
Operating temperature	-10℃～40℃		
Operating humidity	5～95% RH， noncondensing		

Specifications

Item	Non Neutral Mode	Neutral Mode
Wiring method	Do not connect a separate neutral wire N to the switch.	Connect a separate neutral wire N to the switch
Wiring diagram		
Over temperature/ overload protection	X	√
Power outage memory	√	√
Power/battery detection	X	√
Turn to wireless switch	√	√
Minimum load	3W	Unlimited

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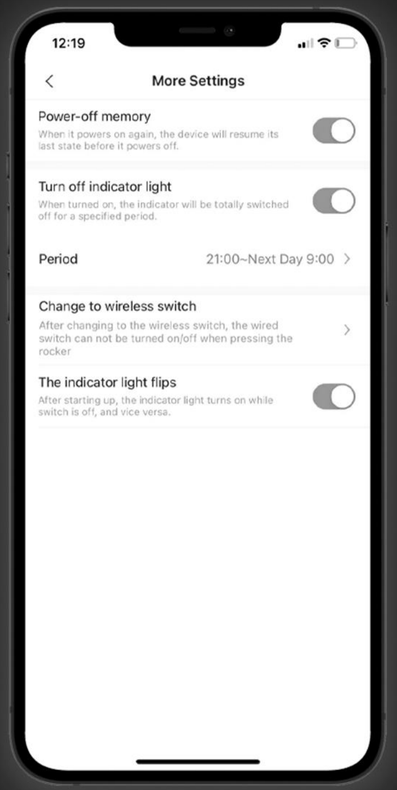
Product Feature

Remote wireless dual control

Convert to wireless switch & LED indicator behavior setting & Power-off memory



Convert to Wireless Switch

The actual electrical switch can be controlled by automations (such as motion sensor or wireless mini switch) while the switch button will control something else, e.g. roller shade, so that the user will the functionality of an extra wireless switch.

LED Indicator Behaviour Setting

The behaviour of LED indicator can be configured via Aqara Home app. From now on, you will be able to choose, if you want to turn it off completely, make it turn on when the switch is on or vice versa. * Not all of these options are available for the No Neutral version.

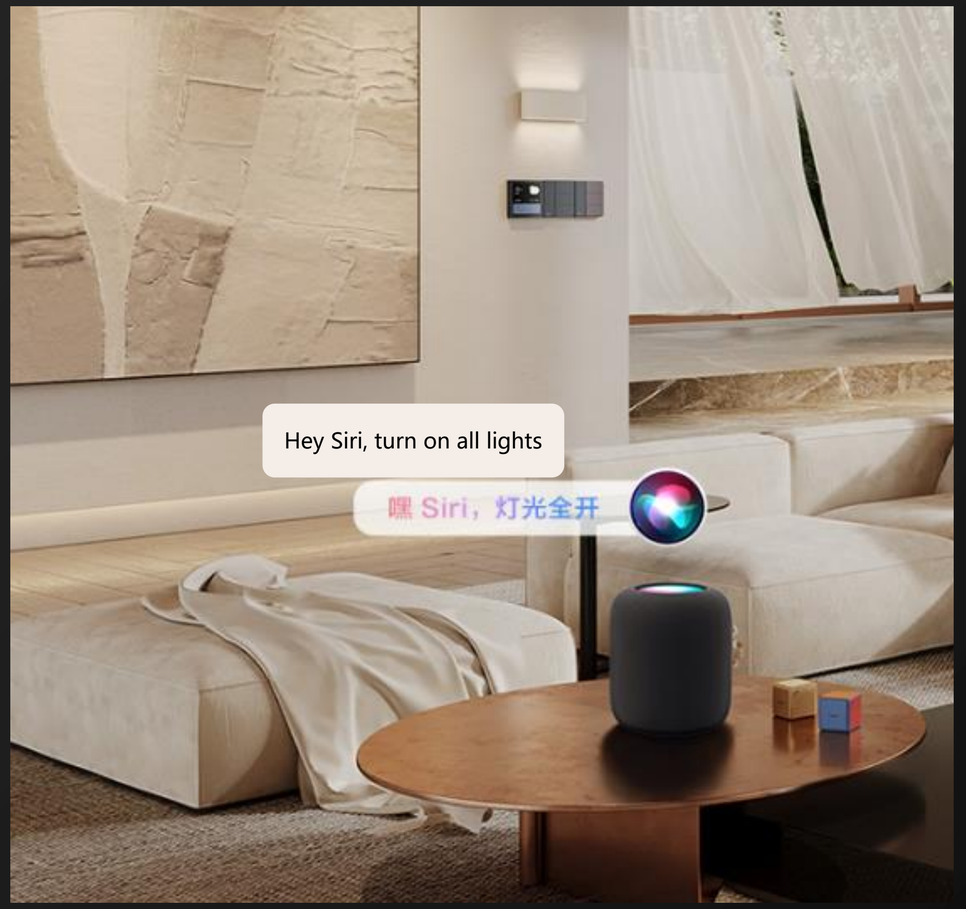
Power-Off Memory

You will be able to configure if you need the lights to turn on automatically after a power outage. No more lights turning on suddenly in the night.

Product Feature

Voice control

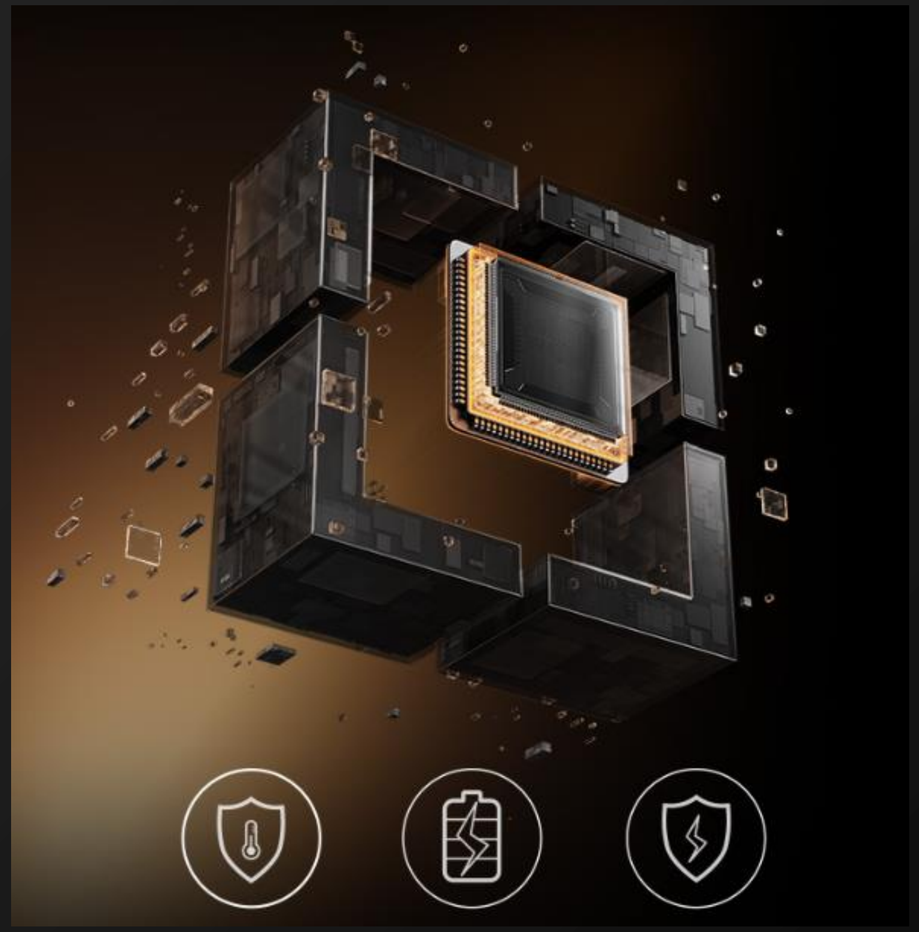
Supports Siri voice control, allowing you to turn on and off lights without moving around.



Product Feature

Over temperature, overload protection; Lightning protection and surge prevention

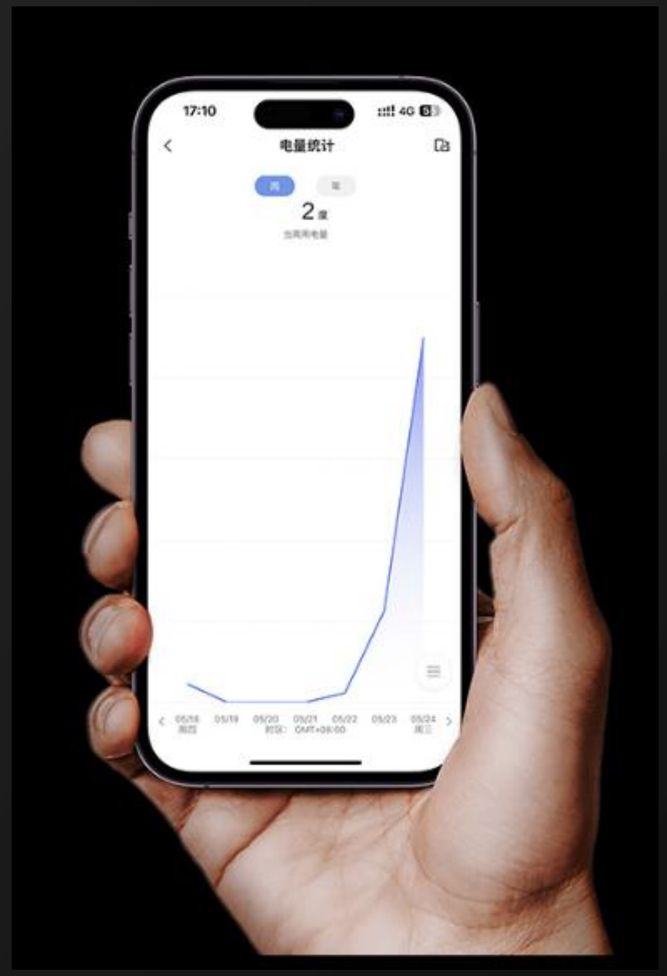
The D1 switch is equipped with a built-in fuse and temperature detection chip, which automatically powers off when overloaded or when the internal temperature reaches 85 ° C. The entire switch body is made of V0 level flame retardant material, ensuring the safety and reliability of the switch from details to protect the entire home electrical system.



Product Feature

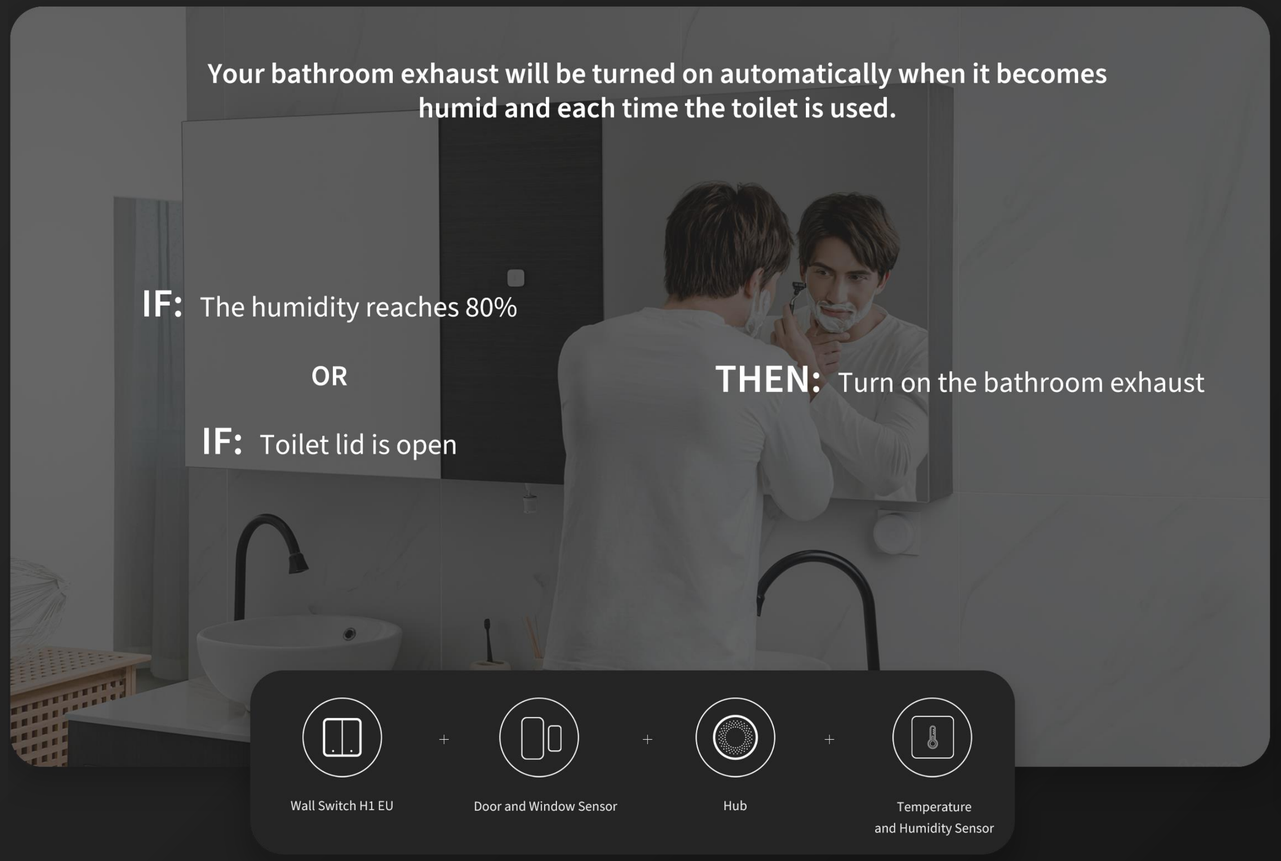
Power Monitoring and Statistics

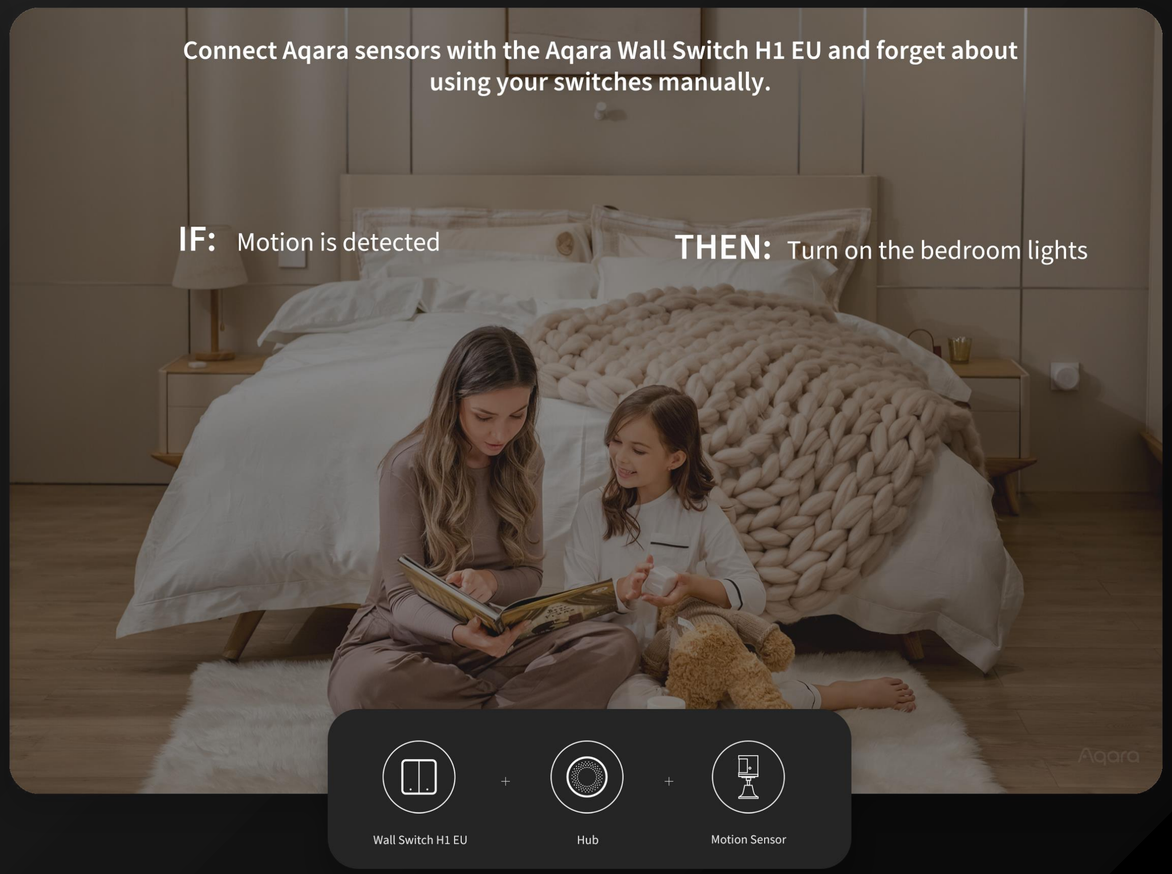
How much power do your lights and other electrical appliances consume daily? D1 Wall Switch (with neutral) can monitor the power-consumption and generate a power curve diagram to make it easier for you to understand which devices are most power-efficient and which are not.



Product Feature

Powerful automation for better life





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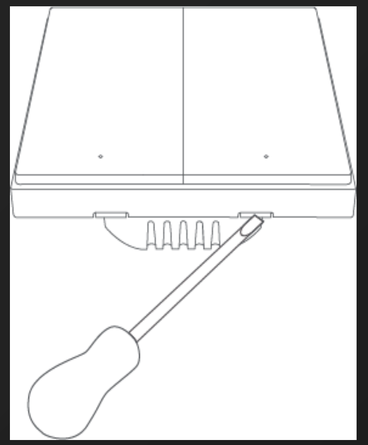
Installation (No Neutral)

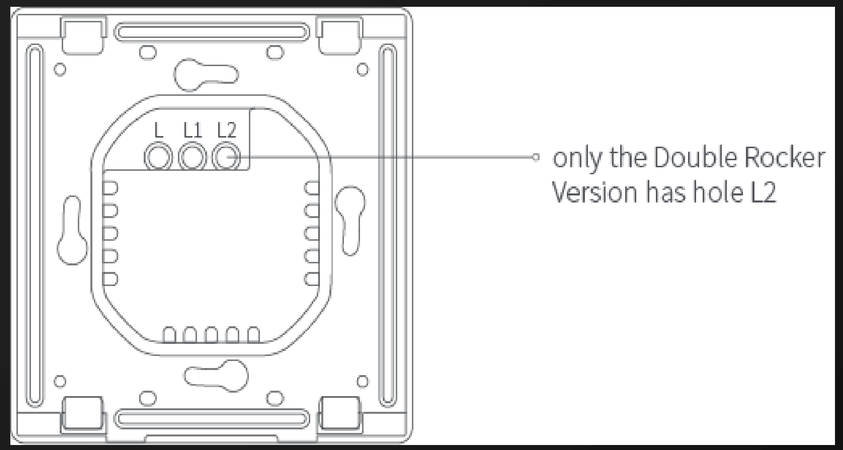
The picture shows the Double Rocker version as an example.

Please make sure that the power at circuit breaker or fuse box is turned o before wiring!

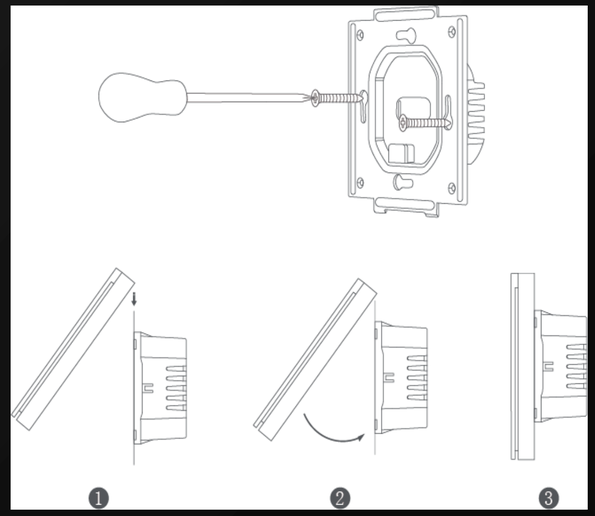
1. Open the switch panel with a flat-blade screwdrive.



2. Loosen the terminal screw on the back of the switch with the screwdriver, connect the live wire to the hole L, and the load (light) wire to the hole L1 and L2 (corresponding to the le and right buttons respectively), and tighten the terminal screws after confirming that the wiring is correct.



3. Mount the switch to the wall junction box with the attached screws and mount the switch plate



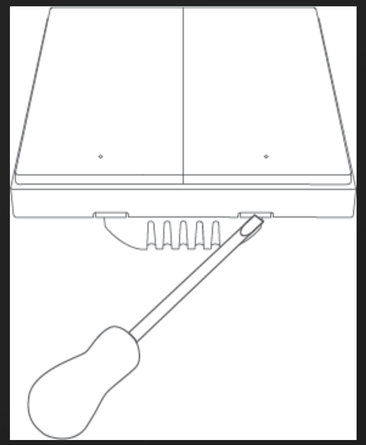
4. Turn on main power at the circuit breaker and test the switch by pressing the button. If the light can be controlled normally, the switch is working properly!

Installation (With Neutral)

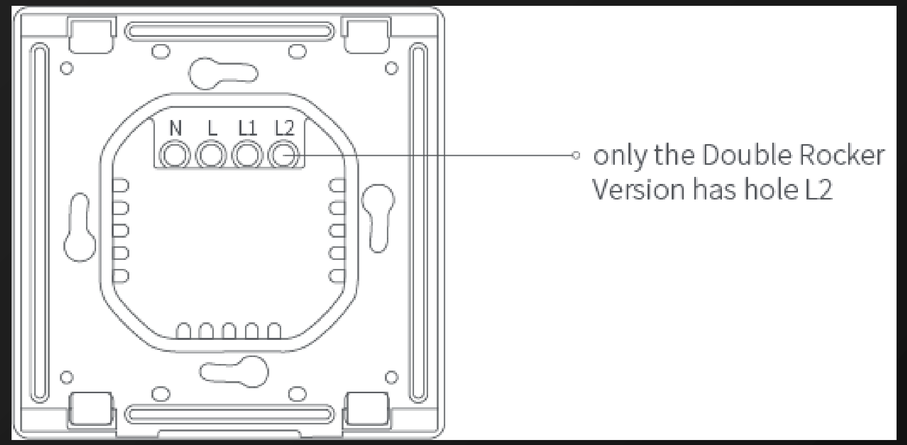
The picture shows the Double Rocker version as an example.

Please make sure that the power at circuit breaker or fuse box is turned o before wiring!

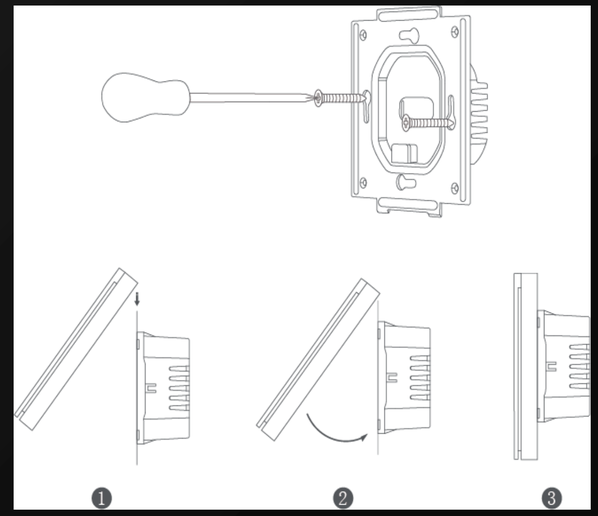
1. Open the switch panel with a flat-blade screwdrive.



2. Loosen the terminal screw on the back of the switch with the screwdriver, connect the live wire to the hole L, the neutral wire to the hole N, and the load (light) wire to the hole L1 and L2 (corresponding to the le and right buttons respectively), and tighten the terminal screws after confirming that the wiring is correct.



3. Mount the switch to the wall junction box with the attached screws and mount the switch plate



4. Turn on main power at the circuit breaker and test the switch by pressing the button. If the light can be controlled normally, the switch is working properly!

Installation - Binding

Push button

Short Press Once: Turn on/off
Long Press for 10s: Reset the device/Enable binding state
Quick Press 5 Times: Effective Range Test

Indicator Light Status	Description
Blue light flashes once	Device is powered on
Blue light flashes quickly	Zigbee network is connecting
Blue light is steady on	Zigbee network works properly and the switch is turned on
Red light flashes quickly	Overload and high temperature alarm
Red light flashes slowly	Zigbee network is not connected

Warning

1. A certain amount of electrical knowledge is required to install a smart wall switch. For your safety, we recommend install by a qualified electrician;
2. This product is for indoor use only; do not use it in humid environment;
3. Do not install this product near a heat source;
4. IMPORTANT!: This Smart Switch is rated for and intended to only be used with copper wire

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FAQ

Aqara

1. Will there be a short circuit if the wiring hole is connected incorrectly?

If the wiring hole is incorrect, the wall switch may not work or even be short circuited and burnt out. Please strictly follow the wiring instructions for wiring, or have a professional electrician install it!

2. How to reset the smart wall switch D1 for binding Aqara Home APP?

Every time the device is powered on without binding, it will enter the binding state (blue indicator light flashing);
Reset after binding: Quickly double-click any button and press for 10 seconds until the blue indicator light flashes, and the device is in the binding state.

3. Neutral wall switch lights flashing and constantly on

1. Confirm whether the matching lamp type is a supported lamp and whether the matching lamp power meets the requirements.
2. After the wiring of the neutral wall switch occurs flashes, and the constant light is basically not connected to the neutral wire or the 86 box does not reserve a neutral wire, which is caused. It is necessary to confirm whether the wiring is correct.
3. Please replace the ordinary switch to check if it is a problem with the control of the lamp itself.

FAQ

4. Panel does not rebound

1. Please confirm if the switch has been installed on the wall. If it has already been installed on the wall, please remove the switch from the wall and observe if it can rebound. If it does, it may be due to the fixed screw being too tight causing the panel to deform. You can try loosening the fixed screw a bit and reinstalling the switch to try again.
2. If the panel still cannot rebound after the switch is removed from the wall, please check the four corners of the switch and observe if there are gaps in the installation of the panel.
3. If you remove the switch from the wall and confirm that the panel is installed correctly, please use a flat screwdriver to pry open the panel
4. If there are no springs, it is necessary to inform the position of the springs and ask the user if they have previously opened the panel. If the user disassembles the panel on their own and the spring does not exist, a fee will need to be paid. If the user indicates that it has never been disassembled before, please explain normally. If the panel does not have a spring at the beginning, the panel will never rebound and there will be no sudden non rebound situation.
5. If the spring is damaged, please politely ask the user if they have previously opened the panel. If the user disassembles the panel on their own and the spring does not exist, a fee will need to be paid. If the user indicates that they have never opened it before, it will be treated as a replacement。

FAQ

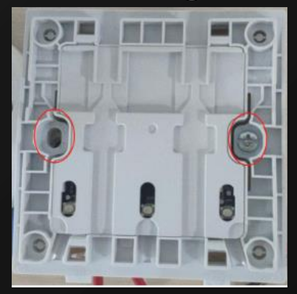
5. No neutral wall switch flickering problem

1. Confirm whether the matching lamp type is a supported lamp, and whether the matching lamp power meets the required wall switch support lamp type.
2. Confirm whether the single fire wall switch is Canon wall switch D1 (no neutral mode). If so, please check if the anti flashing mode is turned on in the APP.
3. Confirm if there are flickers and flickers when it is newly installed. If so, it is difficult to adapt and there is no solution for the time being. It is recommended that the customer replace the higher power/quality lighting fixtures of a large brand (due to the principle of no neutral switch power supply, flickering cannot be completely avoided. It is recommended to install high-power lighting fixtures of a large brand to reduce risks).
4. Confirm if there is a flicker after connecting to the network. If so, confirm if the hub is very close to the router. If it is very close, it is recommended to change the location of the hub.
5. Check if the hub and TV very close together, if so, it is recommended to change the location. The main reason for keeping hubs, routers, and televisions away from each other is due to concerns about interference from the large data volume transmission of WiFi on the Zigbee signal.
6. If there is no flashing before connecting to the hub, it may be due to interference in the WiFi channel.

Please Note: It is not recommended to add capacitors, ballasts, or weak current protectors, as there is no guarantee that they will solve the problem and there may be a possibility of burning out the components.

6. No reaction at the edge of the physical button of wall switch D1

It is recommended not to tighten the screws on the left and right sides when installing the fixed panel, as it may cause the switch housing to be uneven and cause the edge of the down pressed button to fail to trigger the switch



FAQ

7. Wall switch D1 (With neutral) wiring indicates power overload after connecting to the app

1. Please confirm whether the power reported by the app is more than 1600 watts. If so, it indicates a device issue. The power viewing path is: Aqara App - Devices - D1 Three rokers with neutral - Traditional Style - Current Power
2. If the power reported by the app is not more than 1600 watts, please confirm whether the matched load is a lamp that meets the power requirements, or disconnect the main switch and reconnect to confirm whether poor wiring has caused heating.
3. Delete the switch. When adding the D1 three rockers with neutral switch to the app, try selecting the interface of the D1 three rockers non neutral switch to add the D1 three rockers with neutral switch to see if this problem can be avoided (this method does not affect the power display of the D1 three rockers with neutral switch and functional usage issues)
4. Try rewiring.
5. If the above methods cannot solve this problem, please contact after-sales team.

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THANK YOU