



Aqara Light Switch H2 US

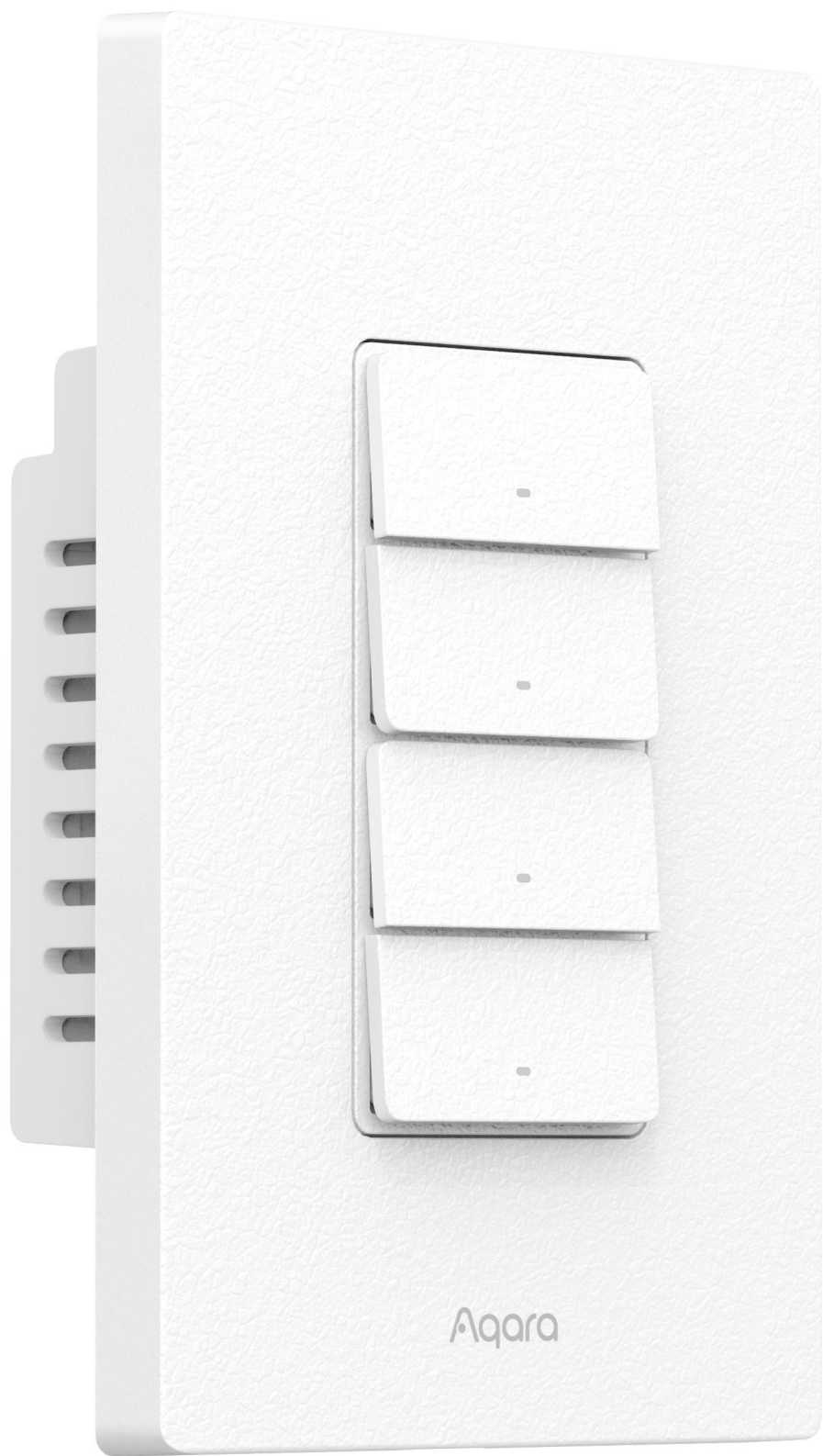
continuous connection

Content

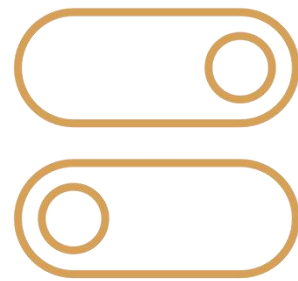
- **Product Introduction**
- **Product Installation**

Product Overview

The Aqara Light Switch H2 US series are based on wireless communication protocols (Thread & Zigbee). They are smart switches that can control the power on and off of devices like lights. When paired with a hub, functions such as remote control via apps, timed control, and power consumption statistics can be achieved. Moreover, they can be combined with other smart devices to achieve more interconnected control effects.



Selling Point



3-way/sing pole

The one-way double-key switch support two control methods, single control or double control.



built-in wireless switch

The double-key type and the four-key type are equipped with 1 and 2 wireless switches respectively.



Thread & Zigbee

Dual protocols, capable of accessing third-party platforms that support Matter.



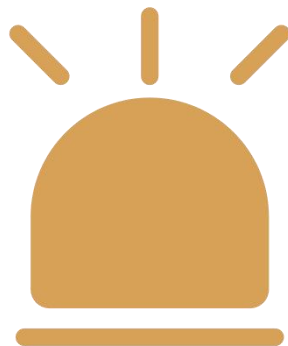
Power Statistics

Show the load power data via the APP.



Power-off Memory

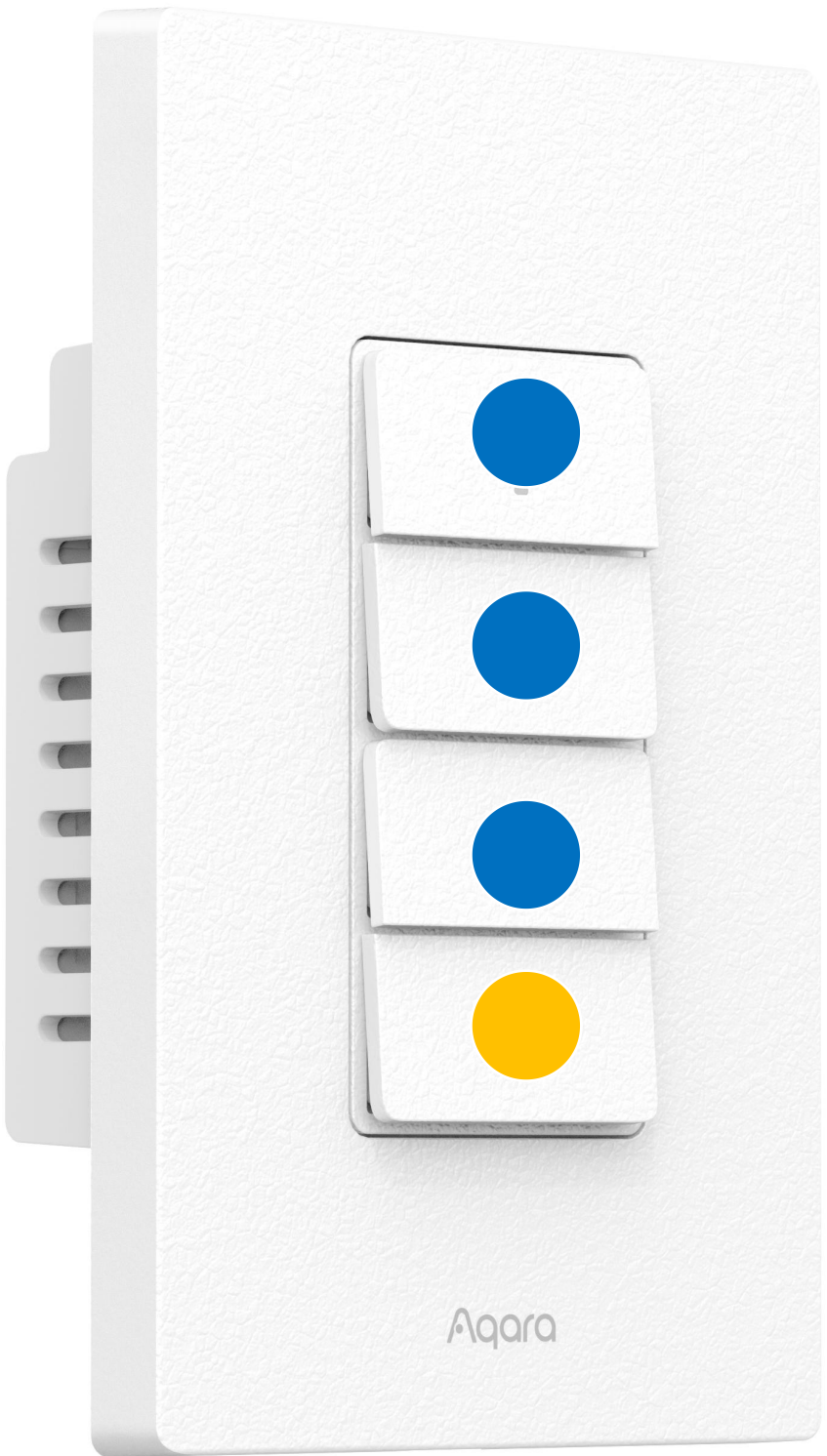
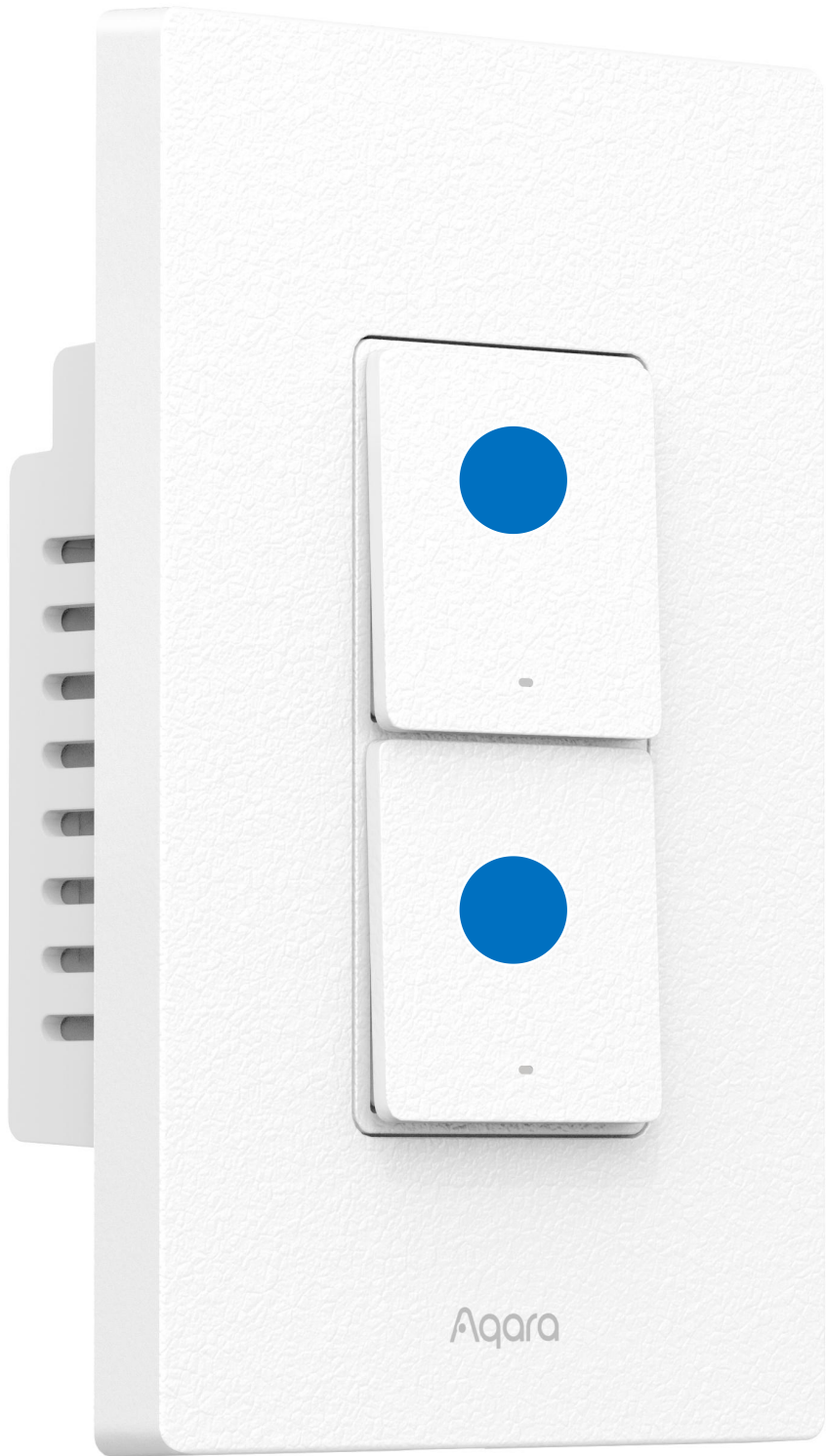
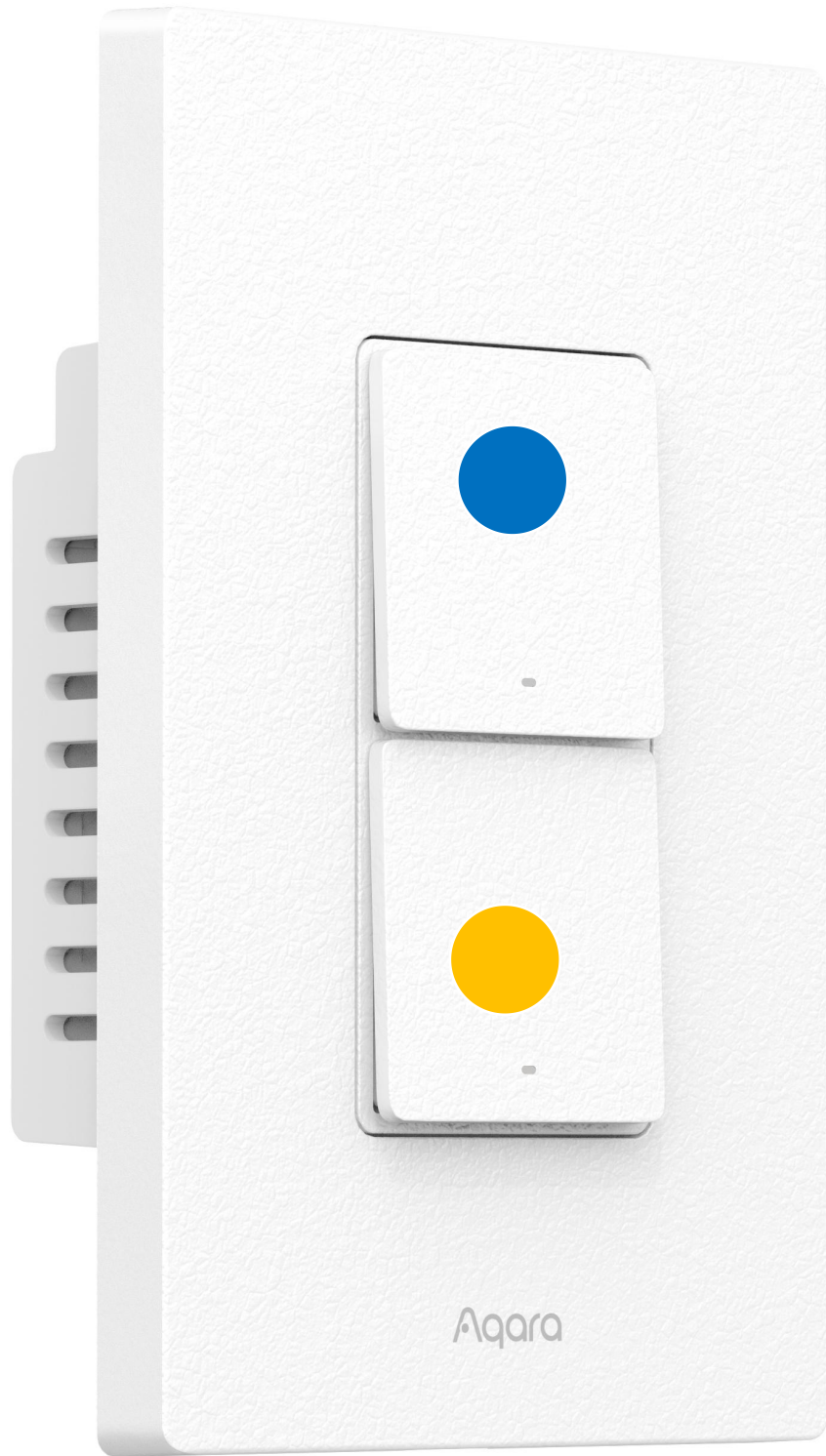
It supports the setting of the relay state when power is restored after power-off.



Status Indication

Both the relay switch and the wireless switch have indicator lights.

Built-in Wireless Switch



*图片与实物会有细微差异，以实物为准

-  Relay switch
-  Wireless switch

Matter & Zigbee Feature Comparison

Currently, all new Matter devices only support standard functions at launch, with other proprietary functions added in later updates.

Feature Module	Feature Item	Matter Feature Description	Zigbee Feature Description	Remarks
Matter Standard Features	Binding	Supported	Supported	Zigbee supports magic pairing for networking
	OTA			
	APP On/Off Control			
	Rapid Single Click Mode			
	Power Off Memory			Four modes for power off memory upgrade: 1. Power Off Memory: Maintains previous state after power restoration 2. Power On by Default: Turns on the relay upon power restoration. 3. Power Off by Default: Keeps the relay off upon power restoration. 4. Toggle: Opposite of previous state (Matter standard)
	Power Metering			Using a power metering IC, it can calculate and monitor the energy consumption and power fluctuations of the controlled device.
	Find Device		Supported (TBD)	When locating the device in the app, the device provides feedback to indicate its position to the user (sound, light, vibration.).

Aqara Exclusive Functions

Currently, all new Matter devices only support standard functions at launch, with other proprietary functions added in later updates.

Feature Module	Feature Item	Matter Feature Description	Zigbee Feature Description	Remarks
Relay Switch & Button Functions	Wireless Switch Function	Supported after launch	Supported	Wireless switch function can be set via the mobile app. After enabling, the button actions will be separated from the relay actions, so pressing the button will not control the relay switch. While switch control can be done wirelessly by connecting devices through scenes or automations.
	Relay Switch Lock Setting			After enabling the wireless switch function, there is an additional configuration option (currently with a separate setup entry). This function is turned off by default, but users can choose to enable it. Once enabled, the relay cannot be controlled through automation, the app, or voice commands. (The relay lock is activated through automation to turn on/off.)
	Quick multi-control			Quick configuration for multi-control setup with multiple wall switches.
	Rapid Single Press Mode			Offers a choice between rapid single-click mode and multifunction mode; available only for multi-button wireless switch circuits. The default mode is rapid single-click.
Indicator Light Functions	Turn Off Indicator Light			Off period can be set, with a default active time from 9:00 PM to 9:00 AM the following day. Indicator lights with priority level 3 are turned off.
	Indicator Light Inversion			The indicator light turns off when the relay is closed and turns on when the relay is open, providing guidance at night.
	Anti-Glare Light Auto-Adjustment			Change the 'Turn Off Indicator Light' function to an automation outcome: 'Enable Anti-Glare Mode/Disable Anti-Glare Mode.' For example, as an automation result, you can enable sleep mode with a single tap before bed to activate Anti-Glare Mode, reducing nighttime light pollution. It is closely linked to the sleep scene and is intended for this main use case."
	Indicator Light Status Setting			Multiple states available: 1.Indicator light off 2.Indicator light on 3.Sync with switch status 4.Indicator light inversion 5.Brightness of the indicator light is adjustable.

Aqara Exclusive Functions

Currently, all new Matter devices only support standard functions at launch, with other proprietary functions added in later updates.

Feature Module	Feature Item	Matter Feature Description	Zigbee Feature Description	Remarks
System Function	Power manual input of single live wire	Supported after launch	Supported	In single live wire mode, users can manually enter the load power. The power data is calculated, stored, and reported by the sub-device.
	Anti-flicker mode			(Effective only in single live wire version or mode) allows switching between Anti-Flicker Mode and Fast Mode, with Anti-Flicker Mode as the default. (Polling adjustable between 1s and 0.25s intervals)
	Find device			1.On the iPhone's HomeKit app, clicking 'Identify Accessory' sends an Identity command from the hub to the device, which must respond within 5 seconds. After receiving the Identity command, the power switch toggles twice with a 1-second interval." 2.Triple-clicking the button on the sub-device locally triggers the hub to locate the device.
	Panel error reporting			An error message will be sent if the DC section does not match the AC section.
	Over-temperature protection			Switch devices are supported under normal conditions."
	Overload protection			Supported devices include those with single live power input and neutral wire with power metering.
	Delete protection			Set up the hub to prevent accidental deletion.
	Group control function (create device group)			Supports: Turn all on/Turn all off (only in neutral wire mode).
	Mars technology			Type One: Traditional mechanical load type (connects to traditional, non-smart load devices. This is the default type). Type Two: Aqara smart load type (connects to Aqara smart load devices, such as Aqara smart lights and Aqara controllers). Type 3: Pulse control load type (connects to smart devices with pulse recognition capability, like YeeLight BLE smart lights)
	Device replacement			

Product Specification

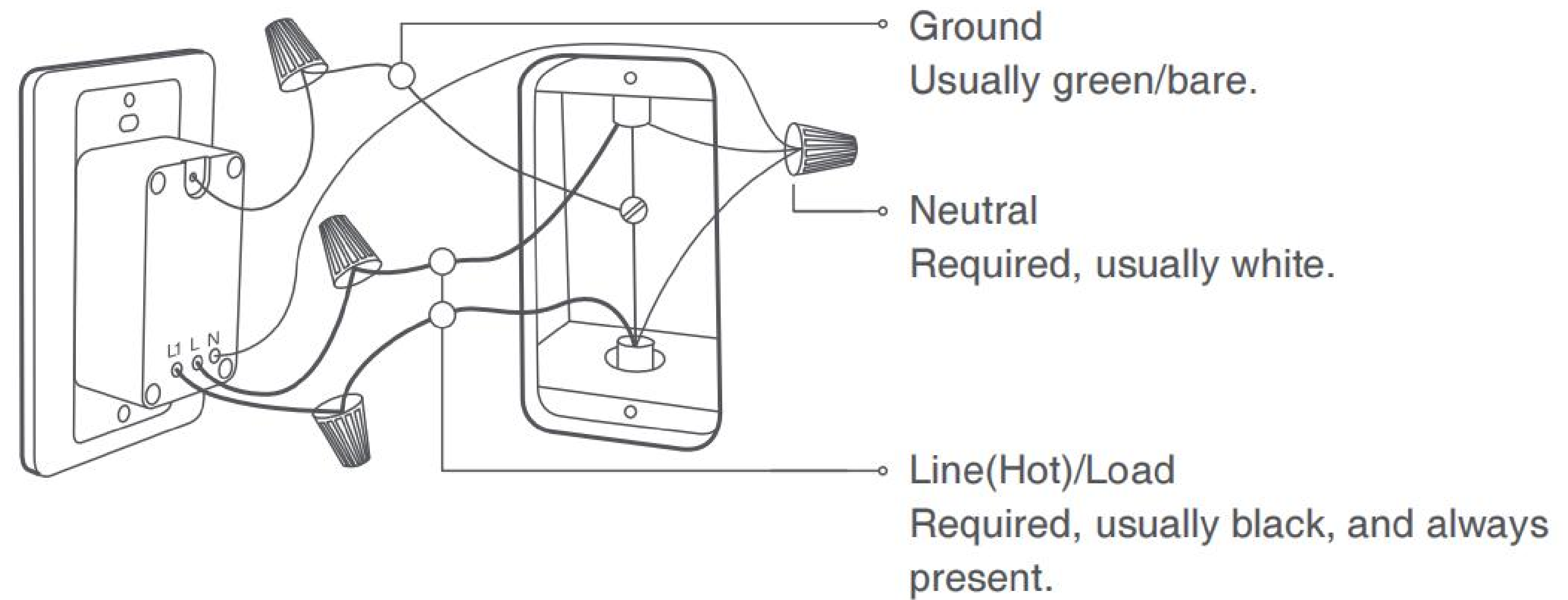
Items	1-way double-key version	2-way double-key version	3-way four-keyversion
Communication Protocols	Thread、 BLE、 Zigbee		
Rated Voltage	100-250VAC,50/60Hz. 10 A(Actual: 120-240 VAC)		
Number of Buttons	2	2	4
Number of Relay Circuits	1	2	3
Power - taking Mode	Both neutral and no neutral wire		
Key Type	Light touch		
LED Indicator Light	Red and blue		
Working Temperature	-10~40°C		
Working Humidity	0-95%		
Battery Life	100,000 times touch		

Content

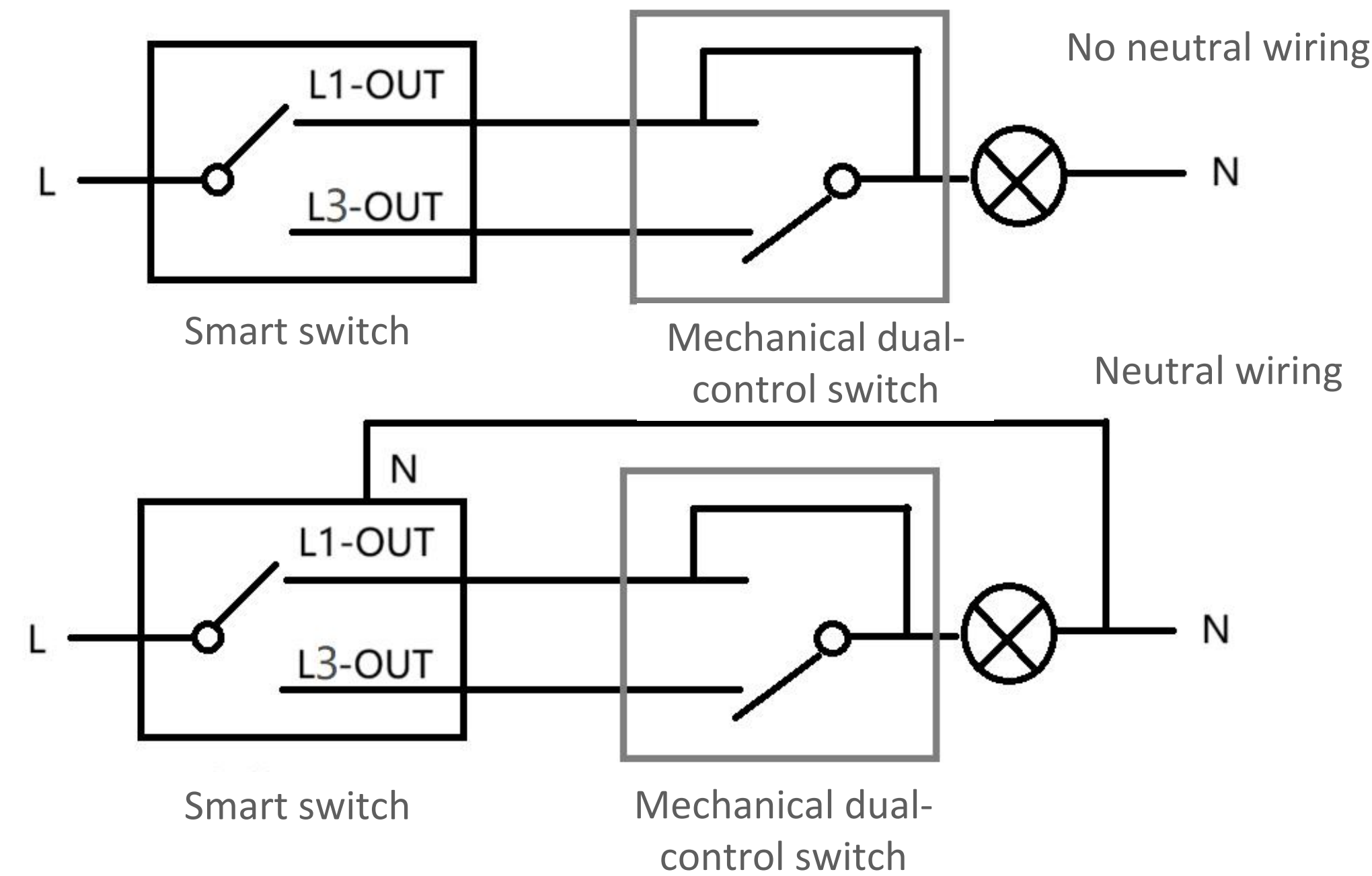
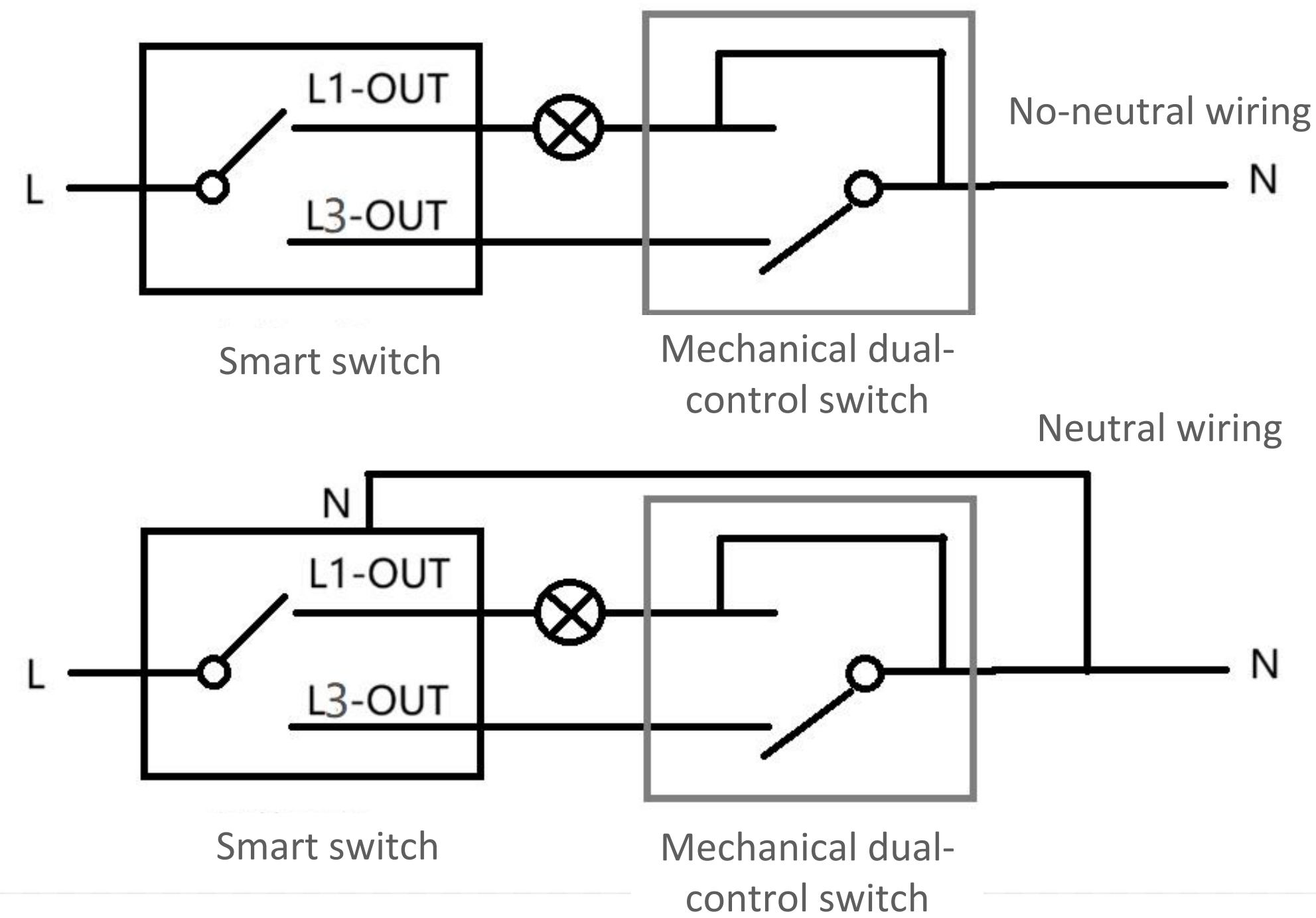
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Installation

Step 1

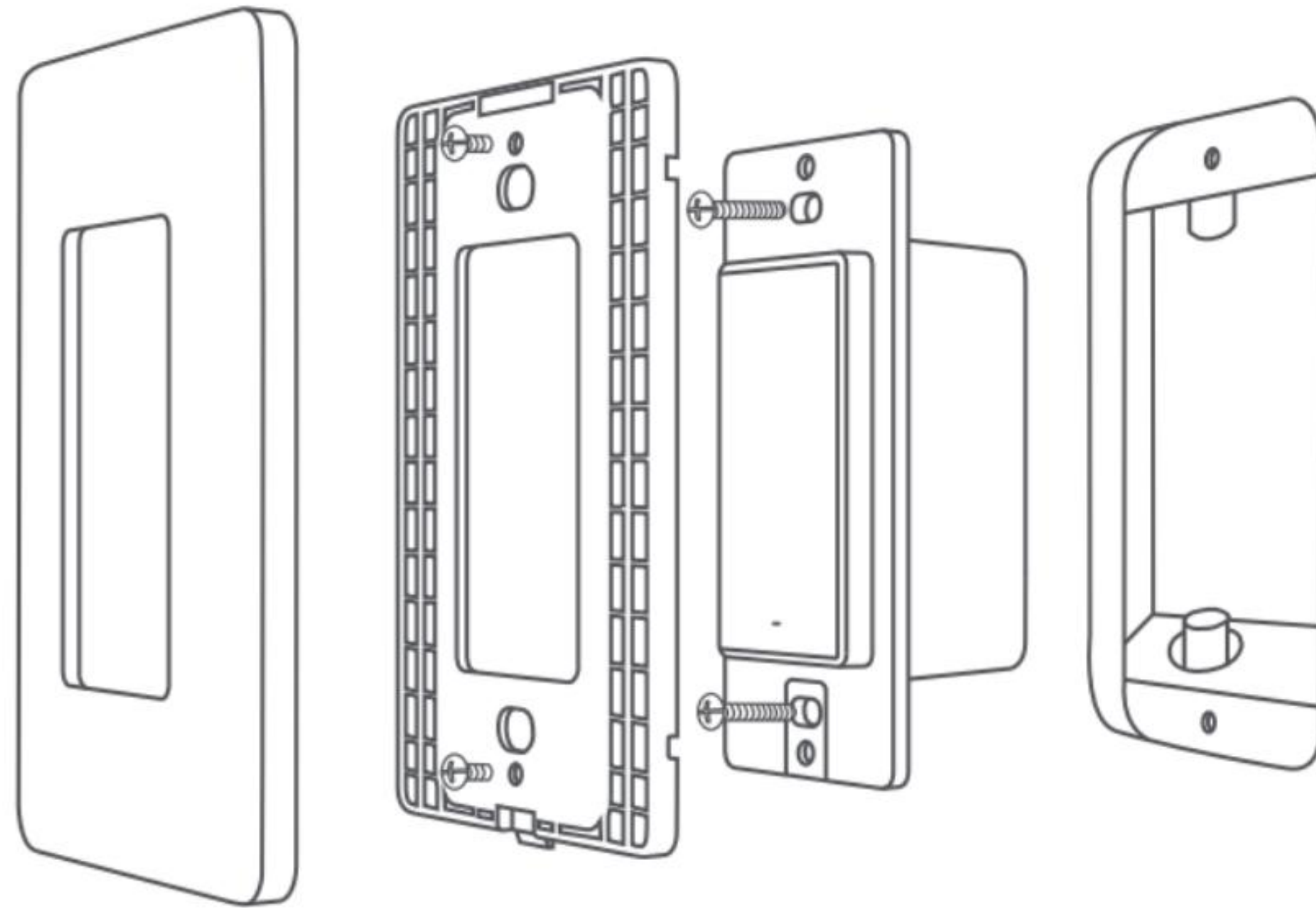


Installation



Installation

Step 2



Indicator Light, Reset and Factory Reset

Indicator Light Status	Description
Blue indicator light flashes quickly 3 times	Device powered on
Blue indicator light flashes slowly	Networkable status
Blue indicator light flashes quickly	Pairing in progress
Blue indicator light stays on for 1 second	Pairing successful
Red indicator light stays on	Device offline
Red indicator light flashes slowly 3 times	Device voltage is unstable, please replace with a higher power load lamp

Double click and hold for 5 seconds within 3 seconds: Reset the Device/ Enable Network Connection

Click the button 10 times: restore factory settings

Thread & Zigbee Switch

Topic	Content
What is the default communication protocol for Aqara Light Switch H2 US when powered on?	The new device defaults to the Thread protocol. Please note that resetting the device will not change its current protocol status.
How to determine the communication protocol currently used by the device?	When you reset the device to factory settings, observe the indicator light when binding. A blue flashing light indicates the Thread protocol is in use, purple flashing indicates the Zigbee protocol, and red indicates a binding timeout.
How to switch from Thread protocol to Zigbee protocol?	1. Download and install the Aqara Home app on your mobile device and ensure your Wi-Fi and Bluetooth are enabled. 2.Reset the device to factory settings (press any button 10 times) to put it in pairing mode (the initial pairing state after first power-on also works). A slow-flashing indicator light shows that the device is in pairing mode, while a red light indicates a timeout. In this case, the device needs to be reset to factory settings again. 3.In the Aqara Home app, tap to add a device, then scan the Matter QR code under the device button. On the binding setup interface, choose to switch protocols and select the desired protocol type. Wait for the device to complete the protocol switch.
How to switch from Zigbee protocol to Thread protocol?	1.Download and install the Aqara Home app on your mobile device and ensure your Wi-Fi and Bluetooth are enabled. 2. Reset the device to factory settings (press any button 10 times). A slow-flashing indicator means the device is in pairing mode, while a red indicator means network timeout, requiring another factory reset." 3.In the Aqara Home app, tap Add Device, keeping the phone close to the device. The app will display 'Light Switch H2 US' in the discovery tab. After clicking Add, choose to switch protocols in the setup interface and select your desired protocol. Wait for the device to switch.

THANK YOU