

Aqara Smart Wall Switch H1 EU

Product Specification

Product: WS-EUK01/WS-EUK02/WS-EUK03/WS-EUK04

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Revision Records

Version	Revised contents	Revised by	Date
V1.0	1. Version initialization	Tang Yunji / Hu Hao	20201203

1. Product Introduction

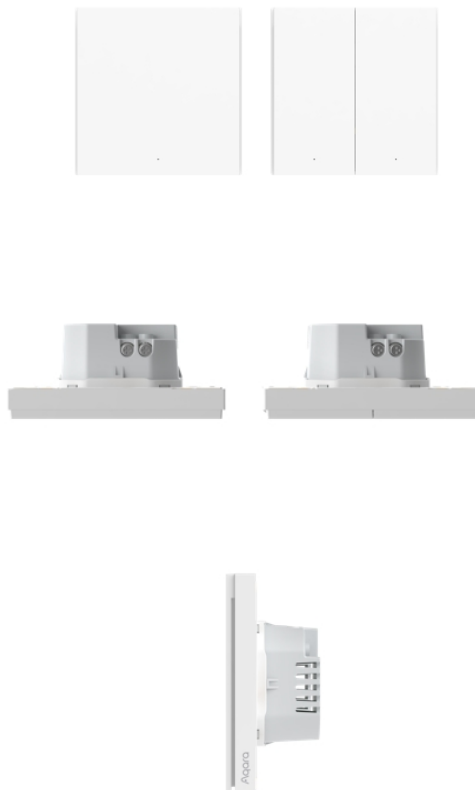
1.1 Product overview

Aqara Smart Wall Switch H1 EU (No Neutral) is based on the Zigbee 3.0 wireless communication protocol. It can control the on/off status of lights. With the Aqara Hub, it can realize functions such as app remote control and timing control. It can work with other Aqara smart devices to realize more smart scenes.

Aqara Smart Wall Switch H1 EU (With Neutral) is a relay control module based on Zigbee 3.0 wireless communication protocol, which can control the on/off status of the light and other devices. With the Aqara Hub, it can realize the remote control through the app, timing control, power detection, power consumption statistics, etc., and can match other smart devices to realize more smart scenes.

* This device requires a compatible Zigbee 3.0 hub. Some functions require a hub of specific model; for the detailed list, please refer to: www.aqara.com/support.

1.2 Three views of the product



1.3 Selling points of the product

- * Remote control: Control the power supply of corresponding line through mobile app over a wireless network;
- * Smart automation: Work with other smart products to achieve automatic control;
- * Timing control: Set a specific time and an action, the device automatically executes the set action after reaching the time point;
- * Power monitoring, battery state (for With Neutral version only): The user can view the real-time power and daily/monthly power consumption of the electric appliances connected to the switch with neutral through the mobile app;
- * Overheat and overload protection (overload protection is for With Neutral version only): When the product detects that the temperature or load exceeds the protection value, it will immediately disconnect the power to protect the product and prevent dangers.

Category	No neutral		With neutral	
	Single rocker	Double rocker	Single rocker	Double rocker
Product brand	Aqara			
Product name	Smart Wall Switch H1 EU (No Neutral, Single Rocker)	Smart Wall Switch H1 EU (No Neutral, Double Rocker)	Smart Wall Switch H1 EU (With Neutral, Single Rocker)	Smart Wall Switch H1 EU (With Neutral, Double Rocker)
Product model	WS-EUK01	WS-EUK02	WS-EUK03	WS-EUK04
Product dimension	85.80*86.00*37.55mm			
Product color	White			
Product material	V0, fire-retardant PC			

Switch type	European standard			
Product gross weight	NA	NA	NA	NA
Product net weight	NA	NA	NA	NA

2. Product Parameter

2.1 Electric parameter

Category	No neutral		With neutral	
	Single rocker	Double rocker	Single rocker	Double rocker
Rated parameter	100-250VAC, 50/60Hz, Max. 8A (resistive load), μ			
Minimum Power	3W (typical)		None	

2.2 Radio parameter

Wireless connection	Zigbee3.0
Wireless standard	IEEE 802.15.4
Transmitting power	10dBm EIRP
Receiver sensitivity	-95dBm
Communication distance	200m in the spacious place (@10dBm)

2.3 Environmental parameter

Category	Description
Operating temperature	0°C~40°C (32°F~104°F)
Operating humidity	0%—95%RH, non-condensing

3. Rocker Instruction

Rocker action	Status description
Short press for once	On/off
Long press for 5S	Enter the networking state
Quick short press for 3 times	Communication effective distance verification

4. Definition of Indicator Status

Indicator status	Status description
Blue, flashing once	Device power-on
Blue, quick flashing	Zigbee network connecting
Blue normally on	Zigbee network is normally connected, and the switch is turned on
Red, quick flashing	Over-temperature alarm
Red, slow flashing	Zigbee network not connected
Red normally on	Switch panel mismatches with the wall-in power module

5. Installation Instruction (For No Neutral Version)

Safety problems and precautions

1. Since the installation process of this product involves strong current, only the professional personnel are allowed to install the product according to the national electrical code and production instructions;
2. This product is only for indoor use. Please do not use it in the humid environment or outdoor;
3. This product can only be properly used in the place with elevation below 2,000m;
4. Pay attention to moisture proof, and do not spill water or other liquid on this product;
5. Do not place this product near the heat source;
6. Do not attempt to maintain this product by yourself. The maintenance shall be done by an

authorized professional.

Installation method (**Double Rocker version as an example**)



Please make sure the main power switch is closed before installation!

1. The slot-type screwdriver is used to lever the switch panel;

[**Diagram of Levering the Smart Wall Switch (No Neutral, Double Rocker) with a Screwdriver**]

2. Use screwdriver to loosen the screws of the terminals on the back of the switch, connect the firing wire to the L hole and connect the load (light) line to the L1 or L2 hole (L2 hole for Double Rocker version only), and then tighten the screws on the terminals after confirming that the wires are properly connected;

[**Wiring Diagram of Smart Wall Switch (No Neutral, Double Rocker), L2 wiring note: L2 hole for Double Rocker version only**]

3. Use the supplied screws to fix the switch on the wall junction box, and fasten the switch panel;

[**Screw Fixing Diagram of Smart Wall Switch (No Neutral, Double Rocker)**] [**Fastening Order Diagram of Smart Wall Switch (No Neutral, Double Rocker)**]

4. Turn on the main power switch, press the rocker on the switch panel, the light can be properly controlled, indicating that the switch is working properly!

6. Operation Instruction

6.1 Conventional network connection method

6.1.1 Operation mode:

a. Fast press the rocker for 3 times through mobile app or local hub to make the hub enter networking mode. Meanwhile, the hub makes a voice prompt, and the action modes of hub indicator are based on the definition of networking state indicator of the hub;

b. After the Smart Wall Switch is successfully powered on, press and hold the rocker for more than

5s, the indicator is on in red for 1s and then is flashing in blue, indicating that the Smart Wall Switch is searching Zigbee network;

c. After the Smart Wall Switch is successfully connected to the network, the device indicator stop flashing, the hub makes the voice prompt of "Device added successfully". Meanwhile, the app will jump to the interface for device information supplement. If the network connection fails, the hub will issue the voice prompt of "Device addition failed, please try again".

6.1.2 Network connection logic

After the hub enters the networking state and the Smart Wall Switch enters Zigbee network searching state, the true center link key will be sent to the hub after the Smart Wall Switch successfully search the Zigbee network. When the hub receives the link key to encrypt the network key of the hub, the hub will send the encrypted network key to the accessory to for network connection;

* Binding success: After the hub makes the voice prompt of "Device added successfully", the hub will send the device information of the Smart Wall Switch to the cloud to complete the cloud registration of the accessory, and bind it to the user account;

* Binding failure: The hub networking state stays for 60s, during which, if the Smart Wall Switch fails to connect to the hub, the network connection is failed, then the hub will make the voice prompt of "Device addition failed".

6.2. Install Code network connection

Same steps as other accessories.

7. Product Certification Information

Region	Certification program
European Union	E-RED, RoHS-EU, REACH+PAHs, WEEE, POPs, packaging

UK	UKCA
Russia	EAC, COC, EAEU-RoHS-TP037
Global	CB, Zigbee Alliance