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Yueyang Y-POW

Yueyang Zigbee Switch Module with Power Metering Instruction Manual

Model: Y-POW

1. PRODUCT OVERVIEW

The Yueyang Zigbee Switch Module is a compact smart switch designed for controlling lighting or home appliances. It features real-time power consumption monitoring, allowing users to track electricity usage via the associated mobile application. This module supports two-way physical control and integrates with smart home ecosystems like Alexa and Google Home through a compatible Zigbee gateway.



Image 1: Overview of the Yueyang Zigbee Switch Module and its smart home integration.

2. SPECIFICATIONS

Housing Material	PC / Flammability Rating: V0
Rated Voltage	100 ~ 240 V, 50/60 Hz
Rated Current	16 A
Rated Power	3500 W
Dimensions	39.2 x 39.2 x 18 mm
Two-way Physical Control	Supported
Zigbee Standard	IEEE 802.15.4
Operating Humidity	≤90%
Operating Temperature	-10~40°C
App Compatibility	TuyaSmart / Smart Life
Voice Control	Alexa, Google Home

3. SETUP AND INSTALLATION

Important: Installation should be performed by a qualified electrician to ensure safety and compliance with local electrical codes. Always disconnect power before beginning any wiring work.

3.1 Wiring Diagram

The module supports two-way control and can be integrated with existing switches. Refer to the diagram below for proper wiring.

Dual Way Control

Upgrade 2 way control switch without change wiring design of house

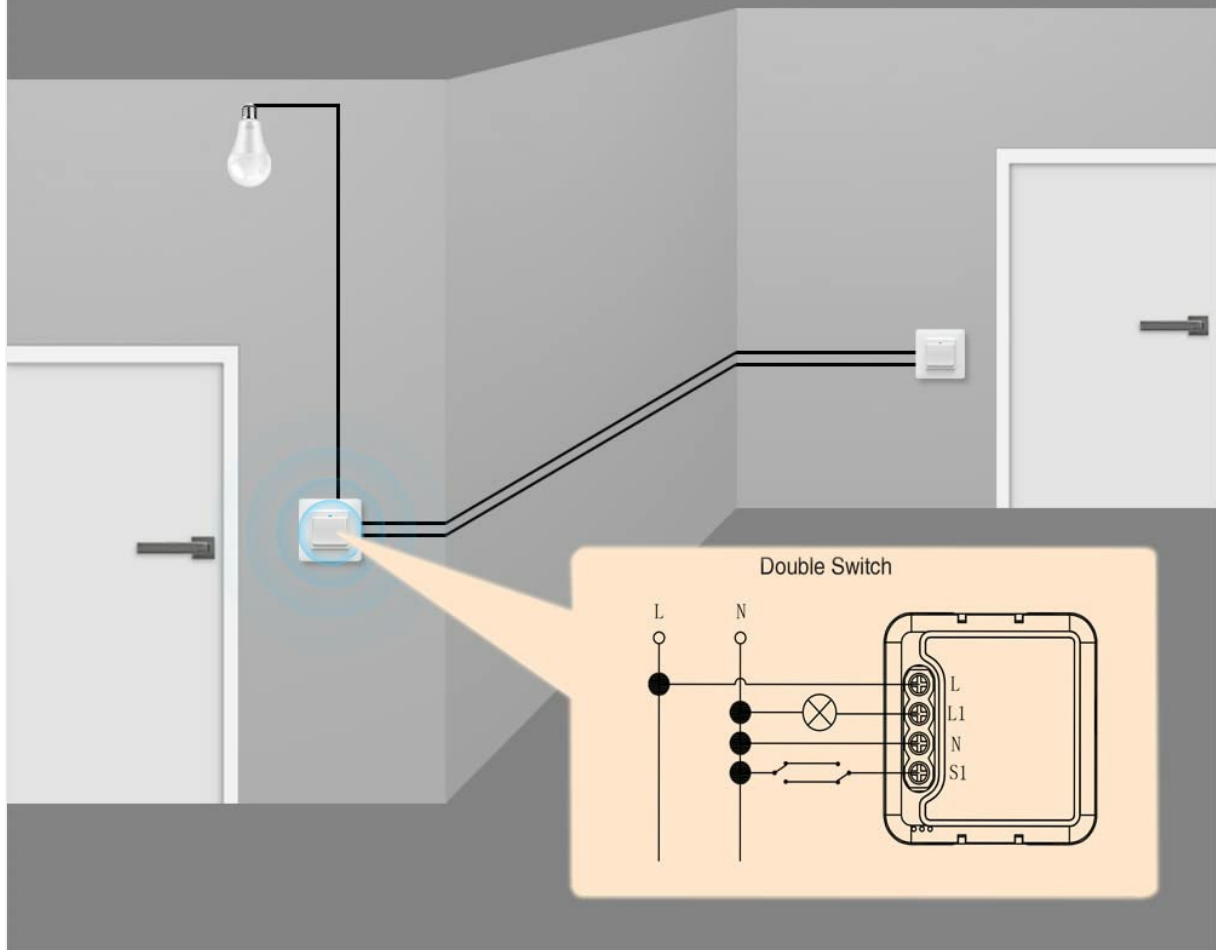


Image 2: Wiring diagram for dual-way control. The module connects to the live (L) and neutral (N) wires, and to the existing switch (S1) and load (L1).

3.2 Connecting to a Zigbee Gateway

A Tuya Zigbee gateway (wired or wireless) is required for the smart switch to connect to the internet and enable app/voice control. Third-party Zigbee gateways may have compatibility issues, especially regarding power metering functions.

1. Ensure your Tuya Zigbee gateway is powered on and connected to your network.
2. Open the TuyaSmart or Smart Life app.
3. Add a new device and select your Zigbee gateway.
4. Follow the app instructions to put the switch module into pairing mode (usually by pressing a reset button or cycling power).
5. Once discovered, add the switch module to your gateway.



Image 3: The compact Zigbee switch module with wiring terminals and a removable mounting bracket.

4. OPERATING INSTRUCTIONS

4.1 App Control (Smart Life / TuyaSmart)

Control your connected appliances or lighting remotely from anywhere, anytime, using the Smart Life or TuyaSmart application.

- **Remote On/Off:** Tap the switch icon in the app to turn devices on or off.
- **Group Control:** Create groups of smart switches to control multiple devices simultaneously with a single tap.
- **Scheduling:** Set schedules to automatically turn devices on or off at specific times, helping to save energy.

4.2 Voice Control

The Zigbee switch module is compatible with Alexa and Google Home for convenient voice commands.

- Link your Smart Life/TuyaSmart account to your Alexa or Google Home app.
- Use commands such as:
 - "Alexa, turn on the light."

- "Hey Google, turn off the light."

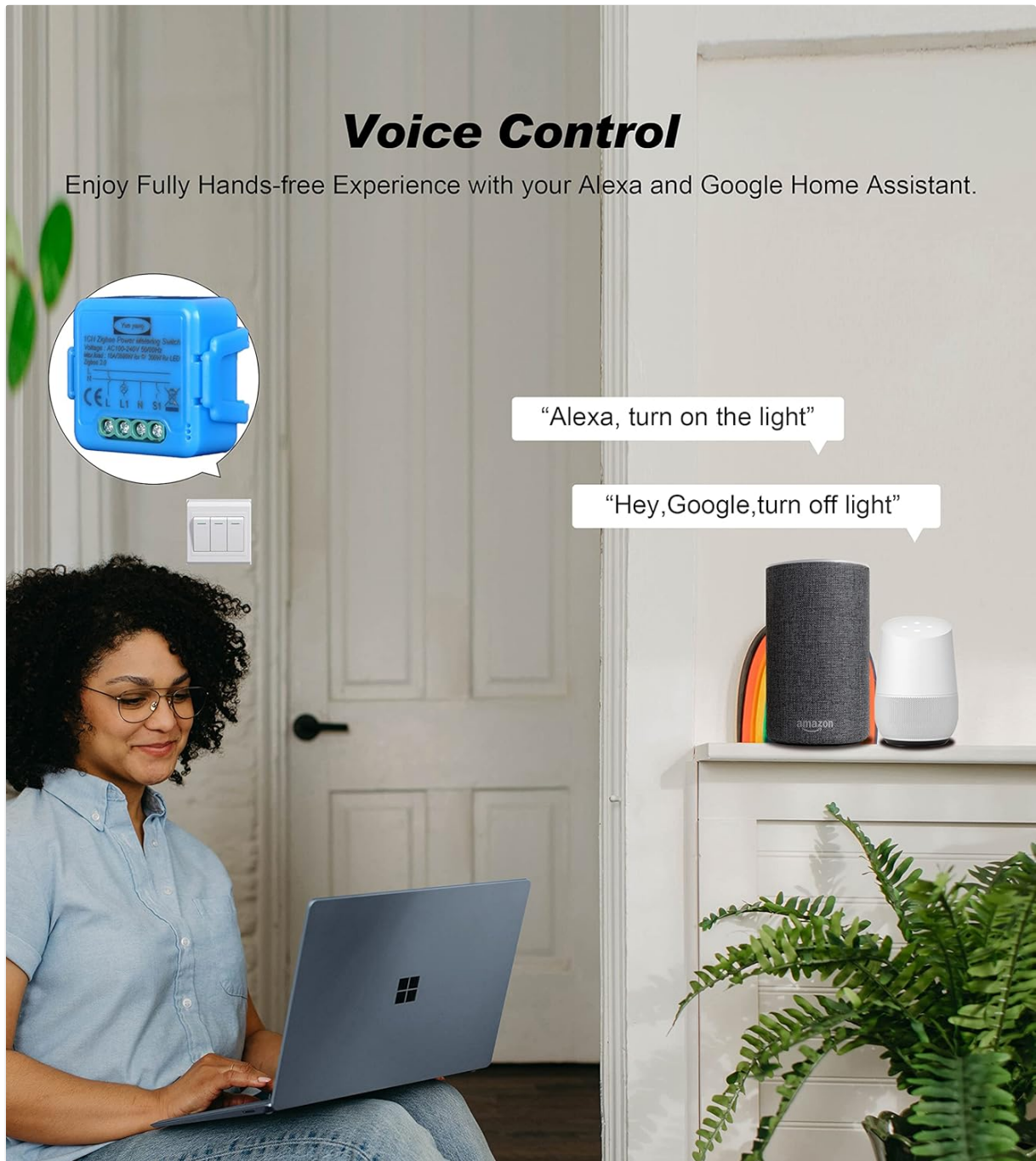


Image 4: Voice control integration with Alexa and Google Home for hands-free operation.

4.3 Sharing Function

Share control of your Zigbee Switch Module with family members through the Smart Life app, allowing everyone to manage connected devices.

Sharing Function

Sharing the Zigbee Switch Module-L with family members by Smart Life app to control together.



Image 5: The device sharing feature allows multiple users to control the switch module via the app.

5. POWER METERING

The switch module records real-time energy consumption. You can view current (mA), power (W), voltage (V), and total energy consumed (kWh) directly within the app. This feature helps in monitoring and managing your electricity usage to optimize costs.



Image 6: Real-time electric statistics displayed in the app, including current, power, voltage, and total kWh.

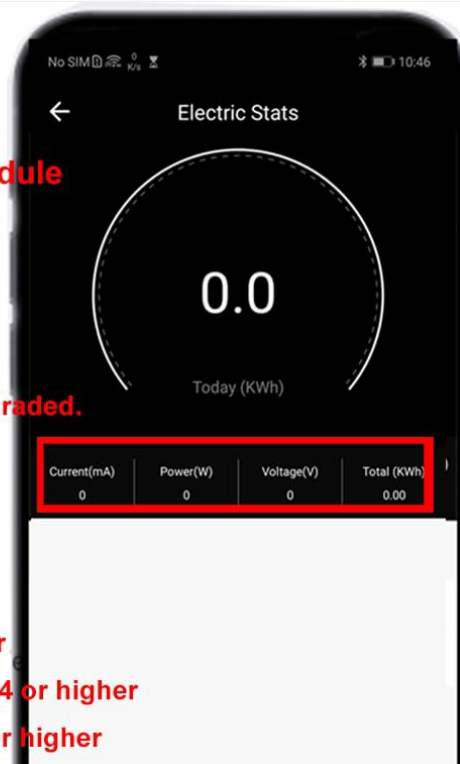
6. TROUBLESHOOTING

6.1 Power Metering Data Not Displaying

If the energy metering switch module does not display voltage, current, and power data, consider the following:

- Gateway Firmware Version:** Ensure your Tuya Zigbee gateway firmware is up to date. Contact your gateway seller for updates if necessary.
 - Wired gateway: Main module version V1.21.0 or later
 - Wireless gateway: Main module version V1.13.2 or later
 - Multimode Wireless Gateway: Main module version V1.5.4 or later
 - Multi-mode wired gateway: Main module version V1.8.2 or later
- Third-Party Gateways:** Using a third-party Zigbee gateway (e.g., Amazon Echo 4th generation) may lead to compatibility issues, preventing the display of voltage, current, power, and energy measurements. It is recommended to use a Tuya Zigbee Gateway.
- Tuya HomeKit Gateway:** Tuya HomeKit gateways cannot display voltage, current, and power.
- Contact Support:** If issues persist, contact customer support via your Amazon order page.

Why can't the energy metering switch module display voltage, current, and power?



1. Your Tuya gateway firmware version has not been upgraded.

Please contact <gateway seller> for upgrade.

2. And ensure that the firmware version of

Tuya Zigbee gateway meets the following requirements:

Wired gateway: Main module version V1.21.0 or higher

Wireless gateway: Main module version V1.13.2 or higher

Multimode Wireless Gateway: Main module version V1.5.4 or higher

Multi-mode wired gateway: Main module version V1.8.2 or higher

3. Attention! Tuya HomeKit gateway cannot display voltage, current, and power.

4. You are using a third-party Zigbee gateway. For example:

Amazon Echo (4th generation). Third-party Zigbee gateways

may have compatibility issues. Or the firmware has not been updated,

so the voltage, current, power, and energy measurement functions cannot be display

5. If you have other questions, please contact us through the Amazon order page.

Image 7: Common reasons why power metering data might not display, focusing on gateway firmware and compatibility.

7. MAINTENANCE

To ensure optimal performance and longevity of your Yueyang Zigbee Switch Module:

- Keep the module in a dry environment, away from moisture and extreme temperatures.
- Regularly check for firmware updates for your Tuya Zigbee gateway through the Smart Life/TuyaSmart app.
- Avoid exposing the device to direct sunlight or corrosive substances.
- Do not attempt to disassemble or repair the module yourself. Contact qualified personnel for service.

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact the seller directly through your Amazon purchase history. Ensure you have your order details available when contacting support.

