MOES MS-108-1

MOES Smart Curtain Switch Module User Manual

Model: MS-108-1

1. Product Overview

The MOES Smart Curtain Switch Module is designed to convert conventional roller blind motors into smart devices, allowing for convenient control via voice commands and a smartphone application. This module can be integrated with existing 2-gang roller blind switches to intelligently manage roller blinds, curtains, and smart blinds. It offers enhanced automation and remote access to your window coverings.



Image 1.1: The MOES Smart Curtain Switch Module shown alongside its product packaging, highlighting its compact design and branding.

2. Important Safety Information & Purchase Notes

Please read the following information carefully before installation and use to ensure safe and proper operation of the device.

- **Motor Compatibility:** Ensure your curtain or roller blind motor has **4 wires** and is **not a DC power supply**. The module is designed for AC motors.
- **Wi-Fi Network:** This module supports **2.4GHz Wi-Fi networks only**. It is not compatible with 5GHz Wi-Fi.
- **Neutral Wire:** A **neutral wire is required** for the installation of this module.
- **Power Disconnection:** Always ensure the main power supply is **turned off** before attempting any installation or wiring.
- **Blinds Compatibility:** Some types of blinds may not be fully compatible with the module, and deviations in operation may occur. Please proceed with caution.

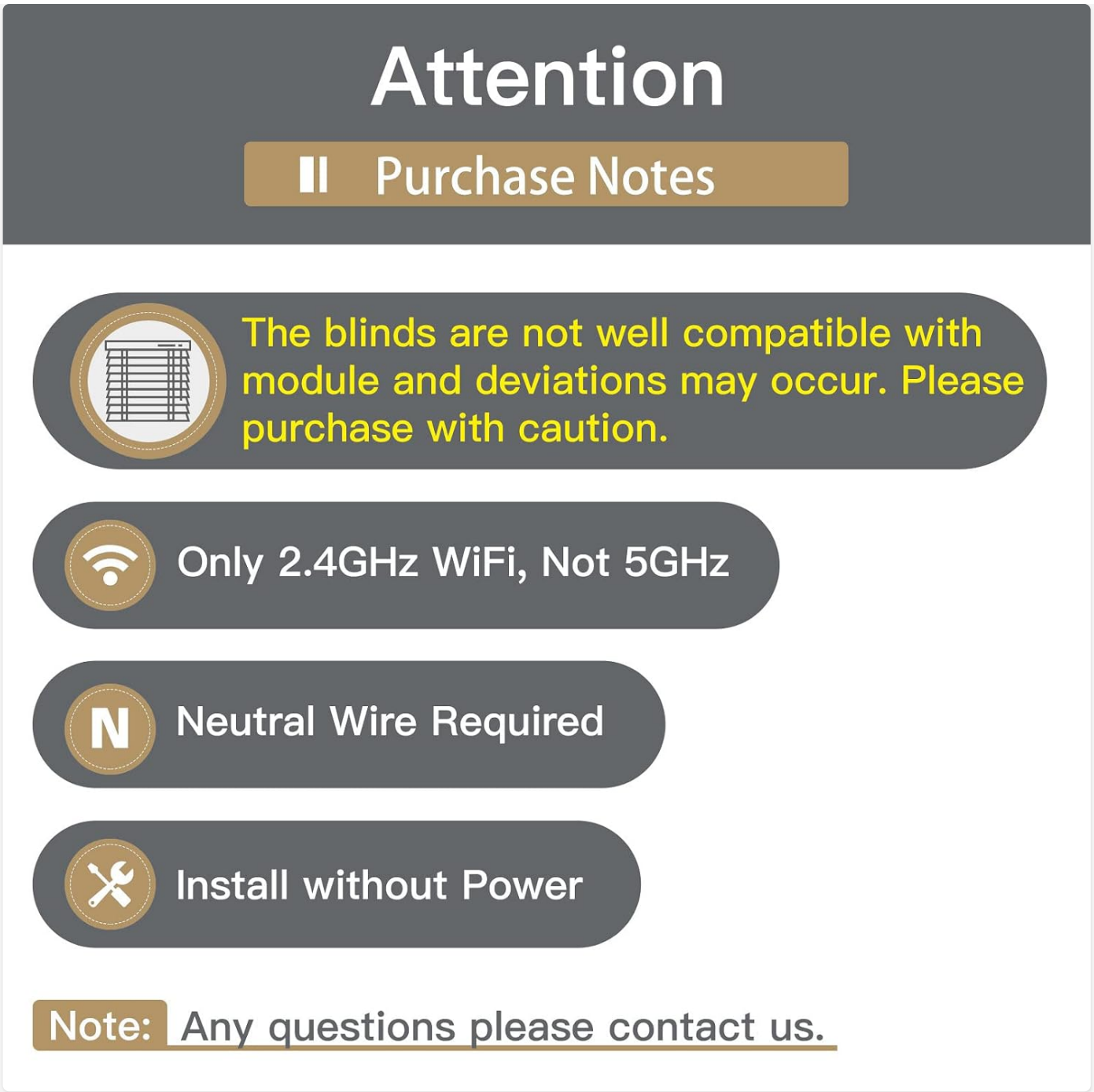


Image 2.1: Visual representation of key purchase notes, emphasizing the 2.4GHz Wi-Fi requirement, neutral wire necessity, and the importance of installing without power.

3. Technical Specifications

Feature	Detail
Model Number	MS-108-1
Input Voltage	90-250V AC, 50/60Hz
Maximum Current	Total 2A
Wireless Protocol	Wi-Fi 2.4GHz (802.11 b/g/n)

Feature	Detail
Dimensions (L x W x H)	5.5 x 5.1 x 3 cm (58 x 52 x 18 mm)
Material	Plastic
Operating Mode	ON-OFF
Contact Type	Normally Open
Connector Type	Wireless
Terminal	Screw

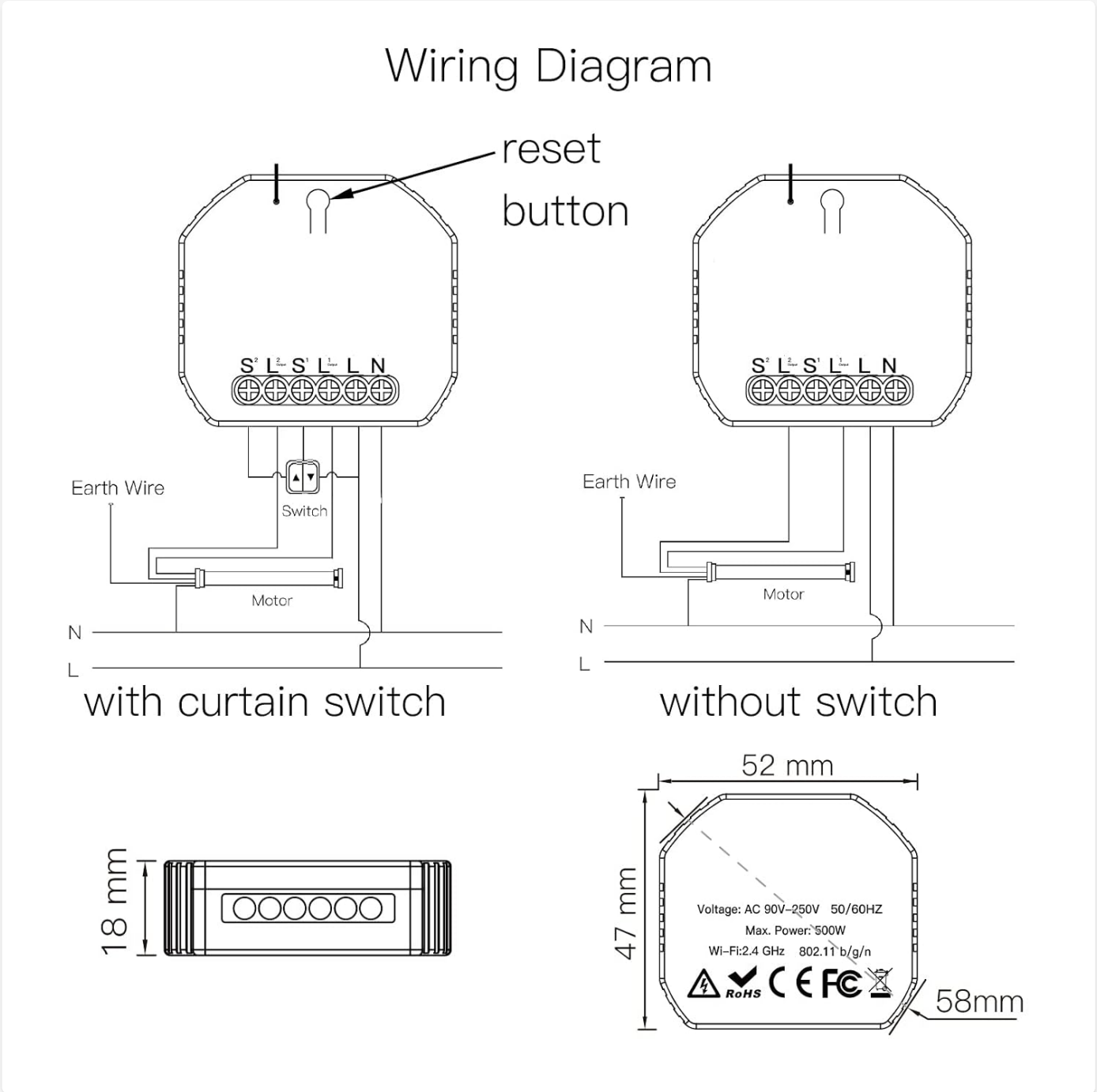


Image 3.1: Detailed wiring diagrams illustrating connections with and without a traditional curtain switch, along with precise module dimensions.

4. Setup and Installation

4.1 Wiring Instructions

Before beginning, ensure the main power supply to your curtain motor circuit is turned off at the breaker. Refer to Image 3.1 for detailed wiring diagrams.

1. **Identify Wires:** Locate the Live (L), Neutral (N), and motor control wires (Up, Down, Common) from your curtain motor and power supply.
2. **Connect Power:** Connect the Live (L) and Neutral (N) wires from your power supply to the corresponding 'L' and 'N' terminals on the module.
3. **Connect Motor:** Connect the motor's Live (L) and Neutral (N) wires to the 'L' and 'N' terminals designated for the curtain motor on the module. Connect the motor's Up and Down control wires to the 'S1' and 'S2' terminals respectively.
4. **Connect External Switch (Optional):** If using a traditional 2-gang curtain switch, connect its output wires to the 'S1' and 'S2' terminals on the module.
5. **Secure Connections:** Ensure all wire connections are secure and properly insulated.
6. **Mount Module:** Place the module safely within a junction box or behind the existing switch.

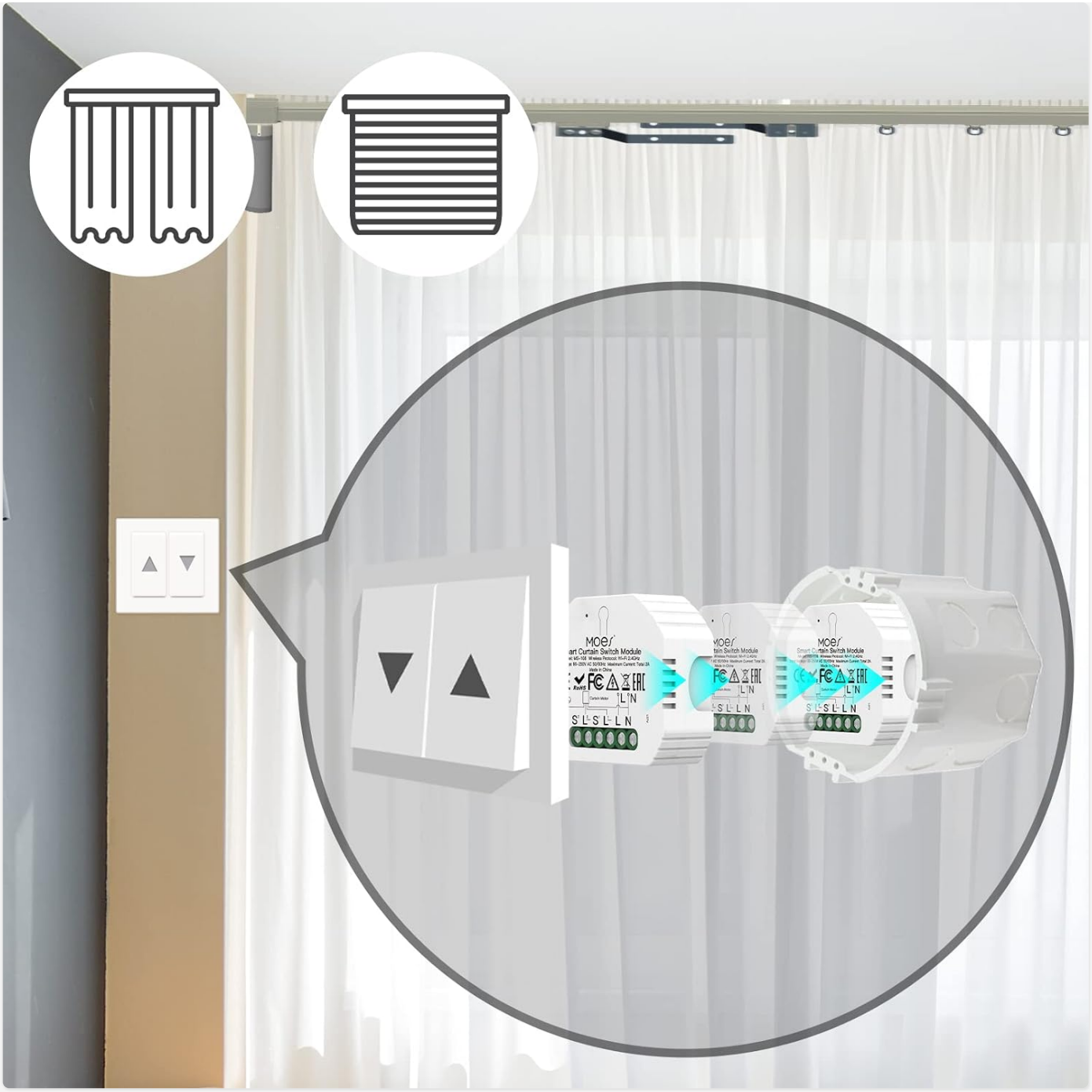


Image 4.1: The smart module is shown discreetly installed behind a conventional wall switch, demonstrating its seamless integration with existing roller blind systems.

4.2 Pairing with Smart Life/Tuya App

After successful wiring, restore power and proceed with app pairing:

1. **Download App:** Download the 'Smart Life' or 'Tuya Smart' app from your smartphone's app store (iOS or Android).
2. **Register/Login:** Create an account or log in to your existing account.
3. **Add Device:** In the app, tap '+' to add a new device. Select 'Curtain Switch' or 'Curtain Module' from the device list.
4. **Enter Wi-Fi Details:** Follow the on-screen instructions to connect the module to your 2.4GHz Wi-Fi network. You may need to put the module into pairing mode (often by pressing the reset button or cycling power).
5. **Confirm Pairing:** Once the device is successfully added, you can rename it for easier control.

5. Operating Instructions

5.1 Remote Control via Smart Life/Tuya App

Once paired, you can control your roller blinds from anywhere using the Smart Life/Tuya app on your smartphone. The app allows you to open, close, and stop your blinds with a tap.



Image 5.1: A smartphone screen shows the Smart Life app interface, demonstrating remote control capabilities for roller blinds, allowing users to manage their window coverings from any location.

5.2 Voice Control with Amazon Alexa and Google Home

The MOES Smart Curtain Switch Module is compatible with Amazon Alexa and Google Home, enabling hands-free voice control. Link your Smart Life/Tuya account to your voice assistant app.

- **Example Commands:**
  - "Alexa, open the curtain."
  - "Hey Google, close the blinds."
  - "Alexa, stop the roller blind."

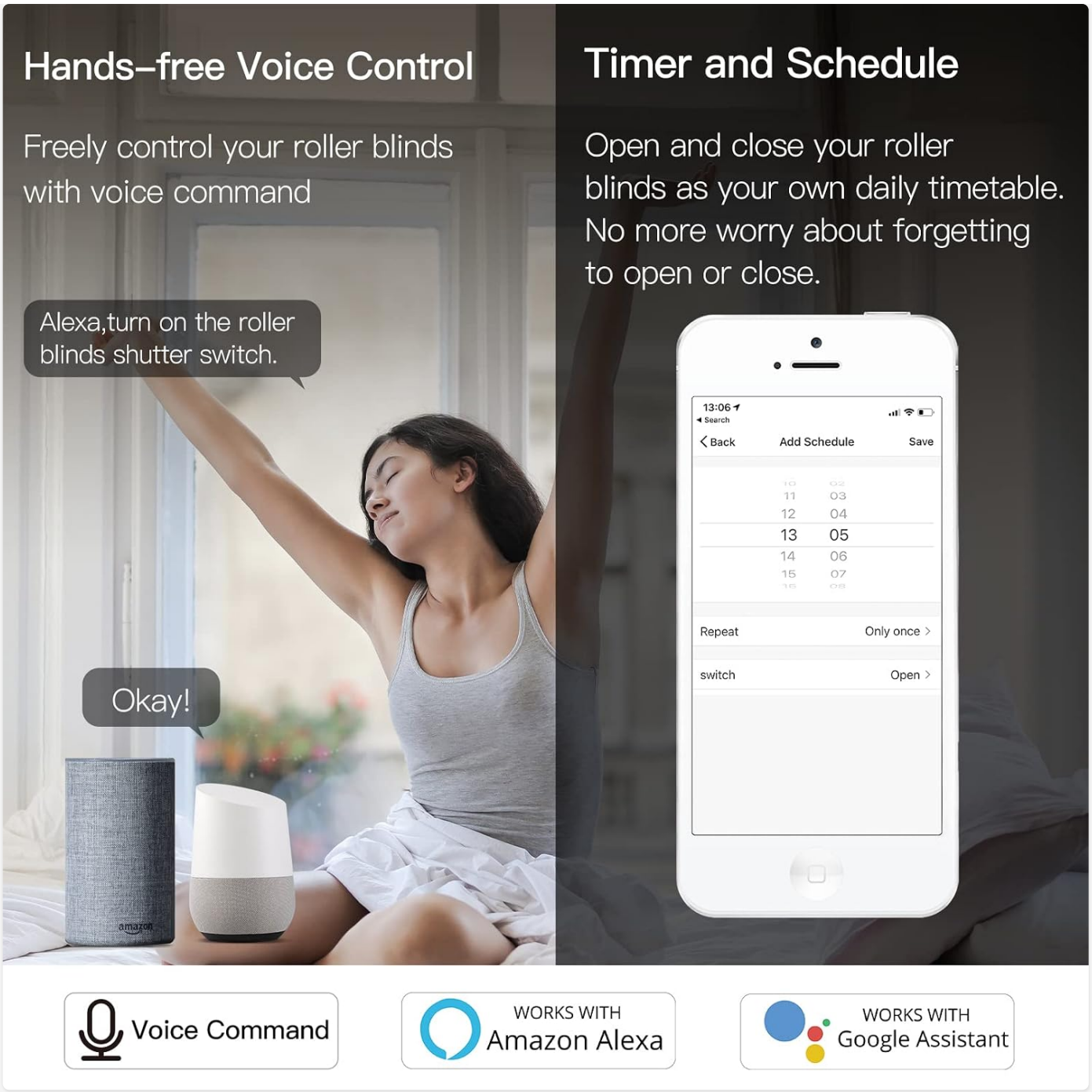


Image 5.2: A user comfortably controls their roller blinds using voice commands, with Amazon Alexa and Google Home devices visible, illustrating the convenience of hands-free operation.

5.3 Timer and Schedule Functions

Set up automated schedules and countdowns within the Smart Life/Tuya app to open or close your blinds at specific times, enhancing daily convenience and energy efficiency.

- **Scheduling:** Create daily, weekly, or custom schedules for your blinds to operate automatically.
- **Countdown:** Use the countdown feature to close or open blinds after a set period (e.g., 1 minute to 6 hours).

(Refer to Image 5.2 for a visual representation of the scheduling interface on a smartphone.)

5.4 Family Sharing

Share control of your smart curtain module with family members or trusted individuals through the Smart Life/Tuya app. This allows multiple users to manage the blinds from their own devices.



Image 5.3: Two individuals are shown interacting with their smartphones, symbolizing the family sharing feature that allows multiple users to control the smart curtain module.

6. Maintenance

6.1 Care and Cleaning

The MOES Smart Curtain Switch Module requires minimal maintenance. To ensure longevity and proper function:

- Keep the module in a dry environment, away from moisture and extreme temperatures.
- Do not expose the module to direct sunlight for prolonged periods.
- Clean the exterior with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure proper ventilation if the module is enclosed.

7. Troubleshooting

7.1 Common Issues and Solutions

- **Module not powering on:**
  - Check all wiring connections, especially Live and Neutral wires.
  - Ensure the main power supply is on.
- **Unable to connect to Wi-Fi:**
  - Confirm your Wi-Fi network is 2.4GHz. The module does not support 5GHz.
  - Ensure your Wi-Fi signal is strong where the module is installed.
  - Restart your Wi-Fi router.
  - Try resetting the module and re-entering pairing mode.
- **Blinds not responding to commands:**
  - Verify that the motor is a 4-wire AC motor and not a DC motor.
  - Check motor wiring connections to the module (Up, Down, Common).
  - Ensure the module is properly connected to the app and shows as 'online'.
  - If using a traditional switch, ensure its connections are correct.
- **App 'Stop' function not working with physical switch:**

- The 'Stop' function is only supported via the Smart Life/Tuya app. It is not available on the conventional physical switch.

- **Blinds operate incorrectly or with deviations:**
  - Some specific types of blinds may have compatibility issues. If problems persist, contact customer support.

8. Warranty and Support

8.1 Warranty Information

MOES products are designed and manufactured to the highest quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to your purchase documentation or the MOES official website for specific warranty terms and conditions.

8.2 Customer Support

If you encounter any issues or have questions regarding the MOES Smart Curtain Switch Module that are not covered in this manual, please contact MOES customer support. You can typically find contact information on the product packaging, the MOES official website, or through the retailer where you purchased the product.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question