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TOPINCN TOPINCNx215pbqy9w

TOPINCN Smart WiFi Relay Switch Instruction Manual

Model: TOPINCNx215pbqy9w

1. Product Overview

The TOPINCN Smart WiFi Relay Switch is a compact module designed to automate home appliances, such as lights or curtain motors, through a smartphone application or voice commands. This device integrates with your existing electrical system to provide smart control capabilities.

Key Features:

- **Automated Timing:** Schedule specific times for automatic operation of connected devices, including adjustable height for curtain control.
- **Remote Control:** Manage your connected devices from any location using the Tuya app on your smartphone or tablet.
- **Voice Control Compatibility:** Works with voice assistants like Amazon Alexa and Google Home for hands-free operation.
- **Intelligent Switch Module:** Converts traditional switches into smart, efficient control points.
- **Family Sharing:** Allows multiple family members to control the device from their individual smartphones.

2. Technical Specifications

Input Voltage	AC 220-240V 50Hz
Maximum Load	2300W
Wireless Protocol	WiFi IEEE 802.11 b/g/n 2.4GHz
Power Consumption	<20dBm
App Compatibility	Tuya Smart Life App
Material	PC V0 (Fire-retardant)
Dimensions	47 x 47 x 20mm (1.97 x 1.97 x 1.18 inches)
Weight	3.84 ounces

The package includes one Smart Switch module.

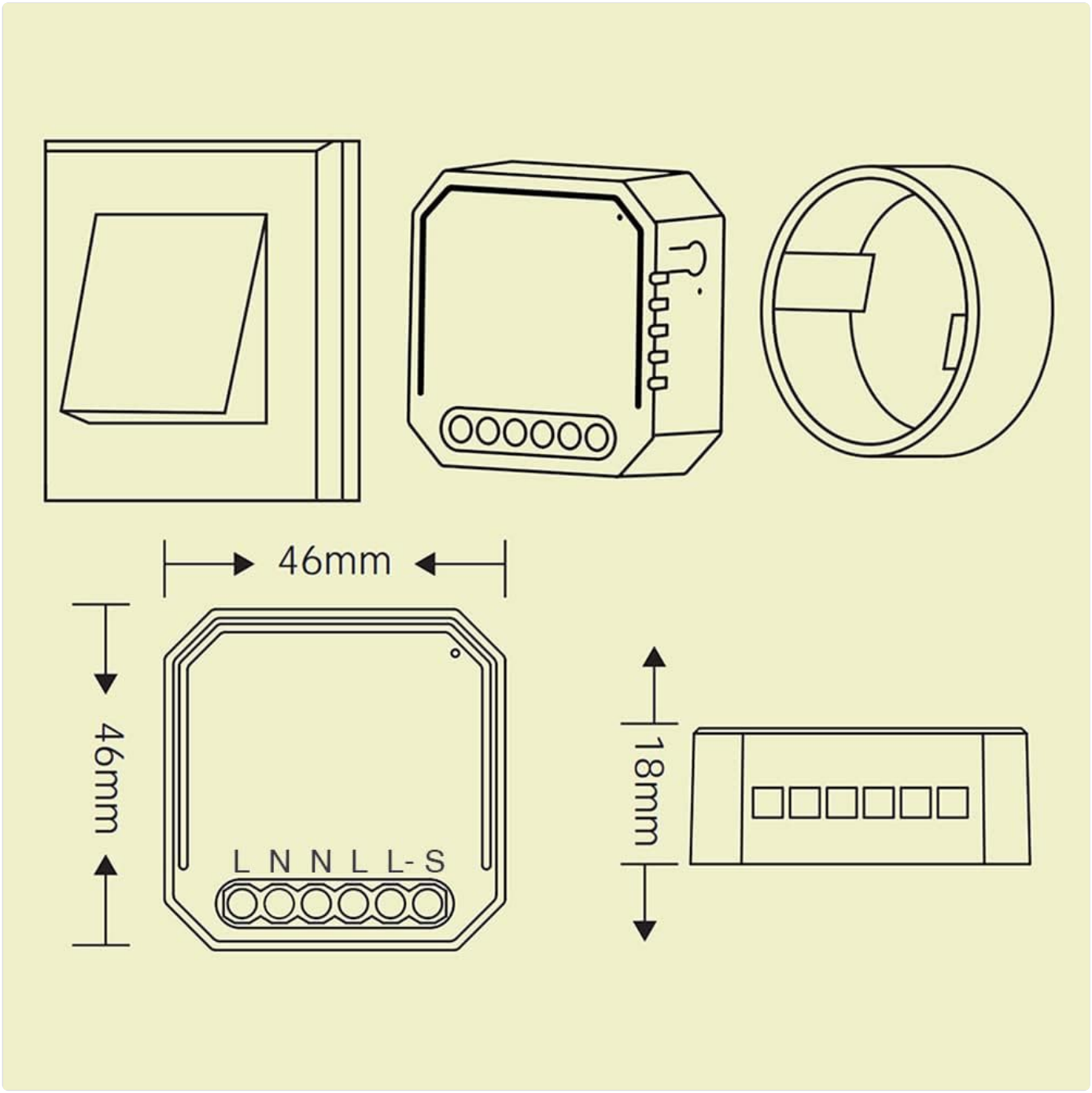


Figure 2.1: Dimensions and wiring diagram of the Smart WiFi Relay Switch. The diagram illustrates the module's size (46mm x 46mm x 18mm) and its connection points labeled L, N, L1, L2, S1, S2 for live, neutral, load, and switch inputs.

3. Installation and Setup

3.1 Safety Precautions

- Ensure the power supply is disconnected before any installation or wiring.
- Installation should be performed by a qualified electrician if you are unfamiliar with electrical wiring.
- Do not exceed the maximum load of 2300W.

3.2 Wiring Instructions

1. **Disconnect Power:** Turn off the main power supply at your circuit breaker before beginning.
2. **Identify Wires:** Locate the Live (L), Neutral (N), and Load (L1/L2 for two-way control) wires for your light or curtain

switch.

3. **Connect Module:**
    - Connect the Live wire from the power supply to the 'L' terminal on the module.
    - Connect the Neutral wire from the power supply to the 'N' terminal on the module.
    - Connect the Load wire(s) to the 'L1' (and 'L2' for two-way) terminal(s) on the module.
    - If connecting to a traditional switch, connect the switch wires to the 'S1' (and 'S2' for two-way) terminals.
4. **Secure Module:** Place the module securely within the switch box or junction box.
5. **Restore Power:** Turn the main power supply back on.

3.3 App Installation and Device Pairing

1. **Download App:** Download the "Tuya Smart" or "Smart Life" app from your smartphone's app store (iOS App Store or Google Play Store).
2. **Register/Login:** Open the app and register for a new account or log in with an existing one.
3. **Add Device:**
    - In the app, tap the "+" icon in the top right corner to add a new device.
    - Select "Electrical" or "Switch" from the device categories, then choose "Wi-Fi Switch" or a similar option.
    - Follow the on-screen instructions to put the device into pairing mode (usually by pressing and holding the physical switch or a button on the module for a few seconds until an indicator light blinks rapidly).
    - Enter your 2.4GHz Wi-Fi network password when prompted.
    - The app will search for and connect to the device. Once connected, you can rename the device for easy identification.

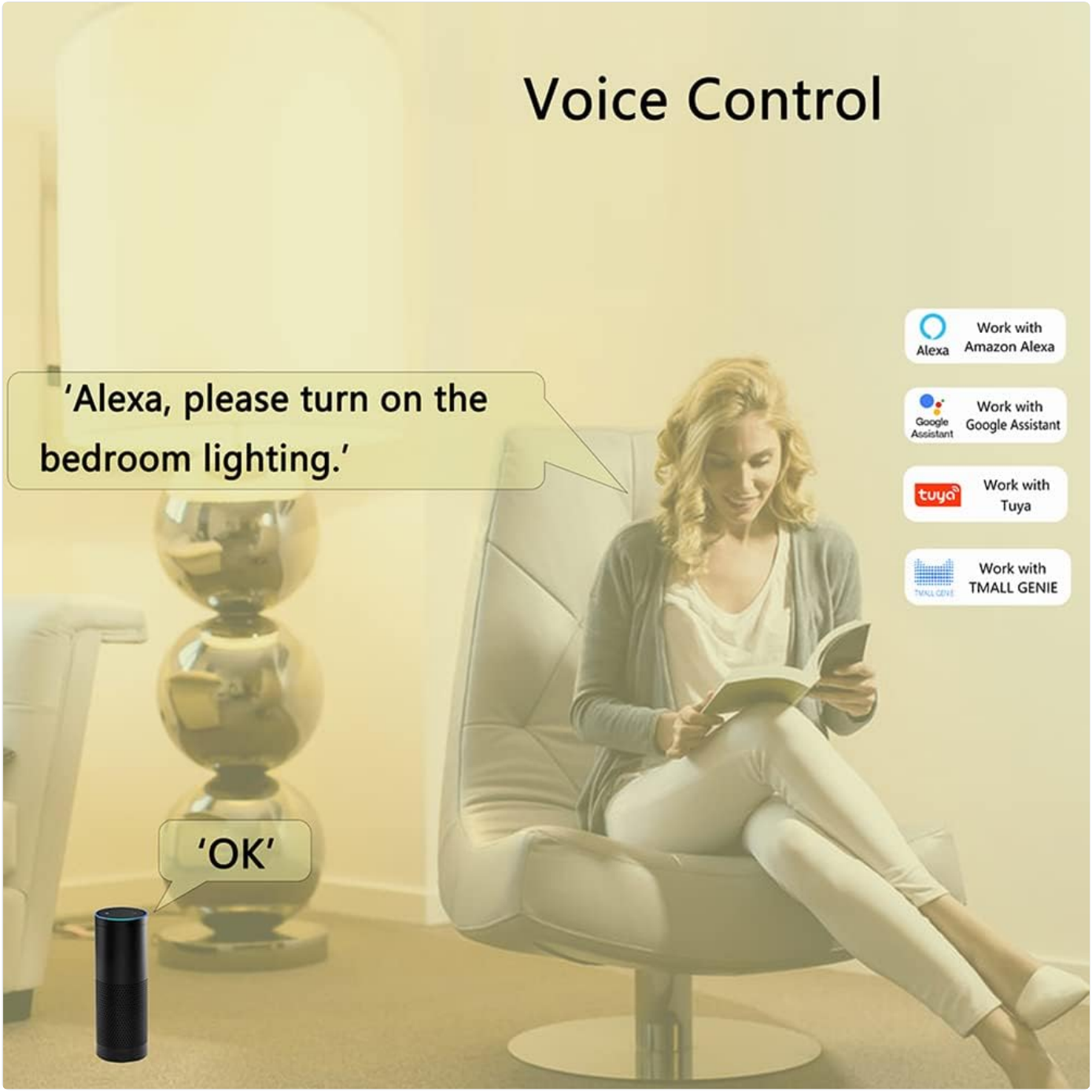


Figure 3.1: App interface for adding a new device. This image shows the process of pairing the smart switch module with the Tuya app on a smartphone.

4. Operating Instructions

4.1 App Remote Control

Once paired, you can control your connected appliance from anywhere using the Tuya Smart Life app. The app provides an interface to turn the device on or off, set schedules, and configure other smart features.



Figure 4.1: Remote control via the Tuya app. The image illustrates the app's interface for turning a connected device on or off, with the smart switch module visible.



Figure 4.2: Global remote control. This image highlights the ability to control the smart switch from anywhere in the world using the Tuya app.

4.2 Voice Control

The module is compatible with Amazon Alexa and Google Assistant. After linking your Tuya Smart Life account to your voice assistant app, you can use voice commands to control your devices.

- **For Amazon Alexa:** Say, "Alexa, turn on [Device Name]."
- **For Google Assistant:** Say, "Hey Google, turn off [Device Name]."

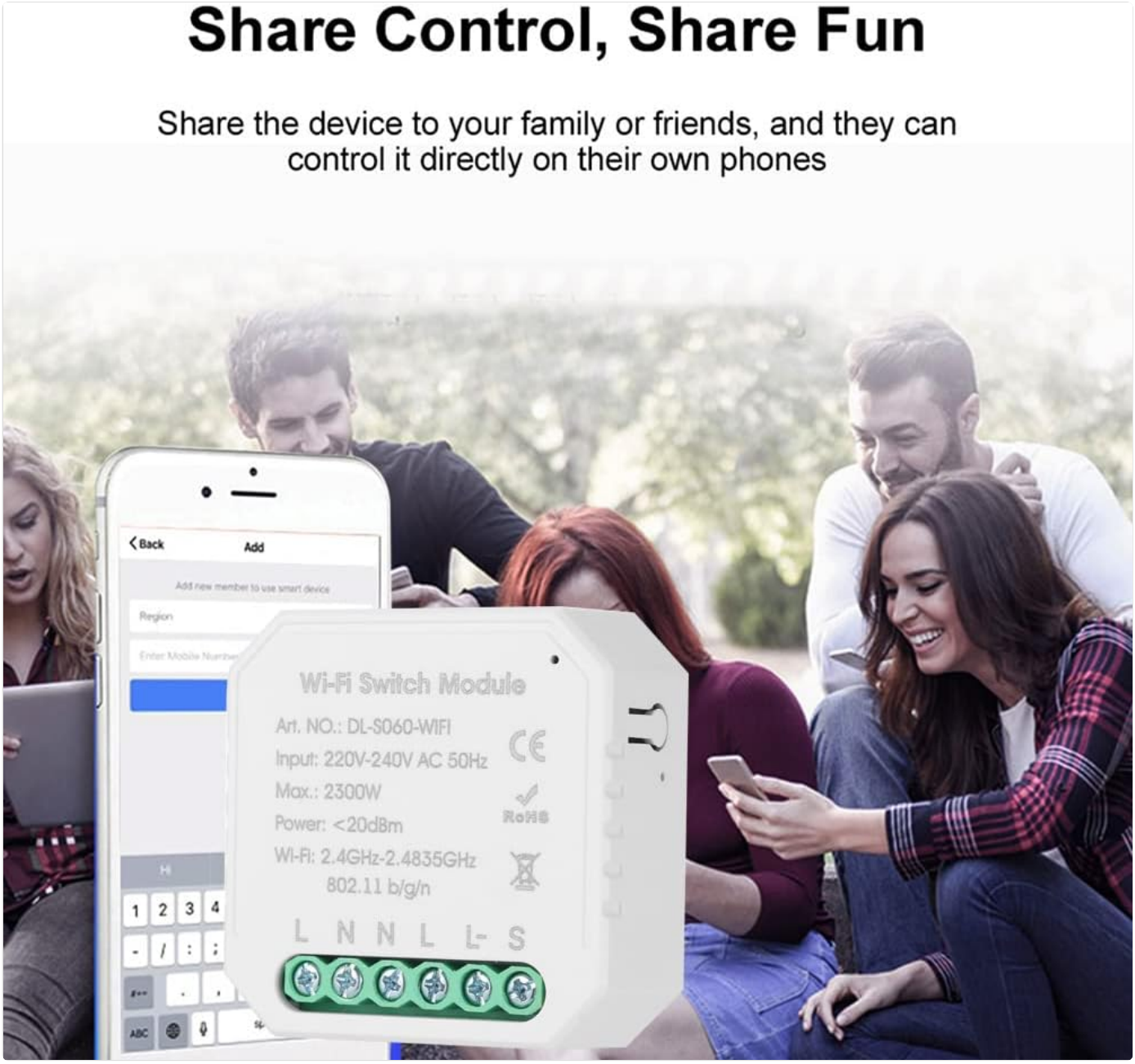


Figure 4.3: Voice control functionality. This image demonstrates how to use voice commands with Amazon Alexa to operate the smart switch.

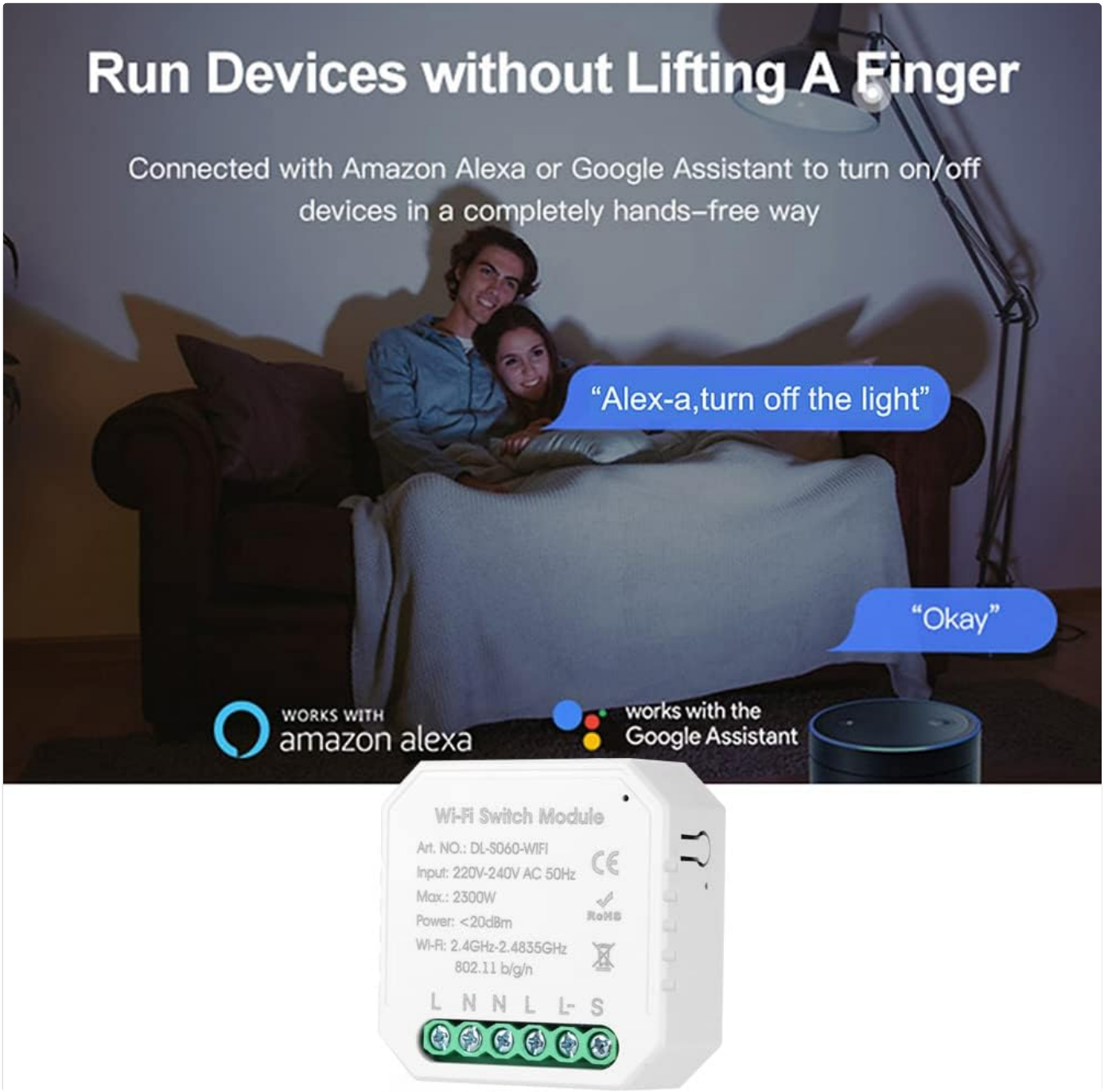


Figure 4.4: Hands-free device operation. This image shows the convenience of controlling devices using voice commands with Amazon Alexa or Google Assistant.

4.3 Scheduling and Timers

The Tuya Smart Life app allows you to set schedules and timers for your connected devices. This feature enables automatic operation at specific times, enhancing energy efficiency and convenience.

1. Open the device control interface in the app.
2. Tap on the "Timer" or "Schedule" option.
3. Set the desired ON/OFF times and repeat days.
4. Save the schedule.



Figure 4.5: Scheduling function. This image illustrates how to set up timed operations for connected devices using the Tuya app, such as turning lights on or off at specific times.

4.4 Family Sharing

You can share control of your smart switch with family members through the Tuya Smart Life app. This allows multiple users to manage the connected devices from their own smartphones.

1. In the app, go to the device settings.
2. Select "Share Device" or "Device Sharing."
3. Enter the Tuya account details of the family member you wish to share with.
4. They will receive an invitation to control the device.



Figure 4.6: Family sharing feature. This image demonstrates how multiple users can control the smart switch from their individual smartphones after the device has been shared.



Figure 4.7: Multi-user and multi-device control. This image illustrates the flexibility of the system, allowing multiple people to control one device or one person to control multiple devices.

5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the module. Do not use liquid cleaners or aerosols.
- **Firmware Updates:** Periodically check the Tuya Smart Life app for available firmware updates to ensure optimal performance and security.
- **Environmental Conditions:** Ensure the module is installed in a dry environment, away from direct sunlight and extreme temperatures.

6. Troubleshooting

Problem	Possible Cause	Solution

Device not pairing with app.	Incorrect Wi-Fi password, 5GHz Wi-Fi network, device not in pairing mode, weak Wi-Fi signal.	• Ensure correct 2.4GHz Wi-Fi password is entered. • Confirm your router is broadcasting a 2.4GHz network. • Reset the device to enter pairing mode (refer to app instructions). • Move the device closer to your Wi-Fi router.
Device offline in app.	Loss of Wi-Fi connection, power outage, router issues.	• Check your Wi-Fi router and internet connection. • Ensure the device has power. • Restart the device by cycling its power.
Voice control not working.	Incorrect device name, Tuya account not linked to voice assistant, network issues.	• Verify the device name in the Tuya app and voice assistant app. • Ensure your Tuya Smart Life account is correctly linked to Amazon Alexa or Google Assistant. • Check network connectivity for both the smart switch and your voice assistant device.

7. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact TOPINCN customer service. You can typically find support contact details on the manufacturer's official website or within the Tuya Smart Life app's help section.

Please retain your proof of purchase for any warranty claims.

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