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eMylo XL9251WR

eMylo Smart WiFi RF Relay Module XL9251WR User Manual

Model: XL9251WR (5-36V, 1 Channel)

1. Introduction

The eMylo Smart WiFi RF Relay Module XL9251WR is a versatile wireless switch designed for home automation. It allows you to remotely control connected devices via a mobile application, RF remote, or voice commands through smart assistants like Amazon Alexa and Google Home. This module is ideal for controlling lights, fans, and other appliances within its specified voltage and current limits.

This manual provides essential information for the safe and efficient use of your eMylo Smart WiFi RF Relay Module. Please read it thoroughly before installation and operation.

2. Key Features

- **Smart WiFi & RF Control:** Control devices remotely via the "Smart Life" or "Tuya" mobile application and compatible RF transmitters.
- **Strong Signal & Stability:** The relay module offers reliable signal transmission, capable of passing through walls, floors, and doors within a dependable range.
- **APP Remote Control:** Connects to your home Wi-Fi network without a separate hub. Control devices from anywhere using the "Smart Life" or "Tuya" app on your smartphone.
- **Timer & Countdown Functions:** Set schedules, countdowns, or loop timers to automate device operation according to your preferences.
- **Voice Control System:** Compatible with Amazon Alexa Echo and Google Assistant for convenient hands-free control of your connected appliances.
- **One-Button Sharing:** Easily share control of the device with family members.
- **Smart Scene Mode:** Create custom scenes to control multiple devices simultaneously based on specific conditions or routines.

3. Specifications

Feature	Specification
Brand	eMylo
Model	XL9251WR

Feature	Specification
Operating Mode	Automatic
Coil Voltage	5 Volts (DC)
Minimum Switching Voltage	5 Volts (DC)
Current Rating	10 A
Wattage	360 Watts
Contact Type	Normally Open
Contact Material	Copper Alloy
Connector Type	Quick Connector or Terminal Clamp
Mounting Type	Surface Mount
Number of Terminals	2
Country of Origin	China

4. Setup and Installation

4.1 Safety Precautions

- Ensure power is disconnected before any wiring.
- This module operates on 5-36V DC. Do not connect to higher voltage AC circuits (e.g., 90-250V AC) as this will damage the device and pose a safety risk.
- Installation should be performed by a qualified electrician if you are unsure.

4.2 Wiring Diagram

The module features easy-to-use connectors for quick installation. Follow the diagram below for correct wiring:



Wiring diagram for the eMylo Smart WiFi RF Relay Module. Connect DC Power (5-24V) to the input terminals (Live line and Null line) and your load (e.g., light) to the output terminals (Live line and Null line).

- Connect your DC power source (5-24V) to the input terminals labeled 'Input'. Ensure correct polarity (Live line and Null line).
- Connect your appliance (load) to the output terminals labeled 'Output'.

4.3 App Download and Pairing

To control the module via your smartphone, download the "Smart Life" or "Tuya" app.



The Smart Life app interface on a smartphone, demonstrating control over a connected light. The image also shows the eMylo module and a QR code for app download.

1. Download the "Smart Life" app from the App Store (iOS) or Google Play Store (Android), or scan the QR code provided in the product packaging or on the product page. You can also visit http://smartapp.tuya.com/smartlife.
2. Register or log in to your account.
3. Power on the eMylo module. The indicator light should blink rapidly, indicating it's in pairing mode. If not, press and hold the pairing button on the module for 5 seconds until it blinks rapidly.

4. In the app, tap "Add Device" or the "+" icon. Select the appropriate device type (e.g., "Switch (Wi-Fi)" or "Electrical Switch").
5. Follow the on-screen instructions to connect the module to your 2.4GHz Wi-Fi network.
6. Once successfully paired, you can rename the device and control it from the app.

4.4 RF Remote Pairing

To pair an RF remote control with the module:

1. Press the pairing button on the eMylo module once. The indicator light will turn on.
2. Within 3 seconds, press the desired button on your RF remote control (e.g., 'A' for ON, 'B' for OFF).
3. The indicator light on the module will flash, confirming successful pairing.
4. Repeat the process for other buttons if your remote has multiple functions.

5. Operating Instructions

5.1 App Control

After successful pairing, use the "Smart Life" or "Tuya" app to control your device:

- **On/Off:** Tap the power icon next to the device name to toggle it on or off.
- **Scheduling:** Use the timer function within the app to set specific times for the device to turn on or off automatically.
- **Countdown:** Set a countdown timer for the device to switch off after a set duration.
- **Scene Mode:** Create custom scenes to automate actions based on various triggers (e.g., turn on lights when you arrive home).
- **Device Sharing:** Share control of the device with other family members through the app's sharing feature.

5.2 RF Remote Control

Use the paired RF remote to control your device:



A hand holding an RF remote control, demonstrating its use to control a light connected to the eMylo Smart WiFi RF Relay Module.

- Press the 'ON' button on the remote to turn the connected device on.
- Press the 'OFF' button on the remote to turn the connected device off.
- The RF signal can penetrate walls, floors, and doors, offering flexible control within its range.

5.3 Voice Control

Integrate your eMylo module with Amazon Alexa or Google Home for voice commands:



A user interacting with a smart speaker to control lighting, illustrating the voice control feature of the eMylo module.

1. Link your "Smart Life" or "Tuya" account to Amazon Alexa or Google Home through their respective apps.
2. Discover devices. Your eMylo module will appear as a controllable device.
3. Use voice commands such as: "Alexa, turn on [Device Name]" or "Hey Google, turn off [Device Name]".

5.4 Timer Programs

Automate your devices with timer programs:



Illustration of timer programs: setting a schedule on the smartphone app to automatically turn off a bedside lamp at 10:30 PM and turn it on at 7:00 AM.

Within the Smart Life/Tuya app, navigate to the device settings and select the 'Timer' or 'Schedule' option. You can set multiple on/off times for daily, weekly, or custom routines.

6. Maintenance

- Keep the device in a dry environment, away from moisture and extreme temperatures.
- Clean the exterior with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Regularly check wiring connections to ensure they are secure.
- Avoid exposing the device to direct sunlight for prolonged periods.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Device does not power on.	Incorrect voltage input; loose wiring; faulty power supply.	Verify input voltage is 5-36V DC. Check all wiring connections. Test power supply.
Cannot connect to Wi-Fi / 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. Confirm device is blinking rapidly for pairing. Move device closer to router. Restart router and module.
RF remote control not working.	Remote not paired; remote battery low; out of range.	Re-pair the RF remote as per section 4.4. Replace remote battery. Ensure remote is within effective range.
Voice control not responding.	Smart Life/Tuya account not linked to Alexa/Google Home; incorrect device name; internet connectivity issue.	Verify account linking in Alexa/Google Home app. Ensure device name is recognized. Check internet connection.
Device burned out upon connection.	**Incorrect voltage applied.**	**This module is designed for 5-36V DC. Connecting it to 90-250V AC will cause irreversible damage. Always verify voltage requirements before connecting.**

8. Warranty and Support

eMylo products are manufactured with quality and reliability in mind. For warranty information, technical support, or any inquiries regarding your eMylo Smart WiFi RF Relay Module, please contact eMylo customer service through the retailer's platform or the official eMylo website.

Please retain your proof of purchase for warranty claims.

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