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MOES WM-105-M-MS

MOES WiFi Smart Relay Dimmable Instruction Manual

Brand: MOES | Model: WM-105-M-MS

PRODUCT OVERVIEW

The MOES WiFi Smart Relay Dimmable module is designed to transform traditional appliances, such as light switches, into smart, controllable devices. Operating on 2.4GHz WiFi, it offers seamless integration with popular voice assistants like Google Assistant and Alexa. This module provides dimmable control for compatible lighting, eliminating the need for a separate dimmer switch. Its compact design allows for easy installation within standard switch boxes, and it supports multi-control association for flexible lighting setups.

- **Universal Smart Switch Solution:** Converts traditional appliances into smart devices with 2.4GHz WiFi, supporting up to 16A, and integrates with Google Assistant and Alexa.
- **Dimmable Control:** Enables adjustable brightness for lights without an additional dimmer switch, transforming existing switches into dimmers.
- **Wireless Functionality:** Provides remote access, voice control, and timer functions via the MOES or Tuya APP.
- **Compact Design:** Features a slim 0.7-inch thickness for easy fitting into standard switch boxes.
- **Simple Installation:** Designed for quick and effortless setup following provided instructions.
- **3-Way Control Support:** Allows control of the same light from two separate switches.

PACKAGE CONTENTS

Upon opening the package, please verify that all components are present:

- MOES WiFi Smart Relay Dimmable Module
- Screws
- Nuts
- Installation Manual

SETUP AND INSTALLATION

Before beginning installation, ensure the main power supply to the circuit is turned off at the circuit breaker to prevent electrical shock. This device requires a neutral wire for proper operation.

Pre-Installation Considerations:

A metal junction box may impact WiFi signals. For optimal performance, it is recommended to place the Smart Relay in a room with a strong wireless router (AP) signal.

Installation Methods:

1. Method One: Hidden Switch Box Installation

The compact design of the MOES Smart Dimmer Module allows it to be installed directly within a standard switch box. Ensure sufficient space is available behind your existing switch. The module measures 40mm x 40mm x 18mm (1.57in x 1.57in x 0.71in).

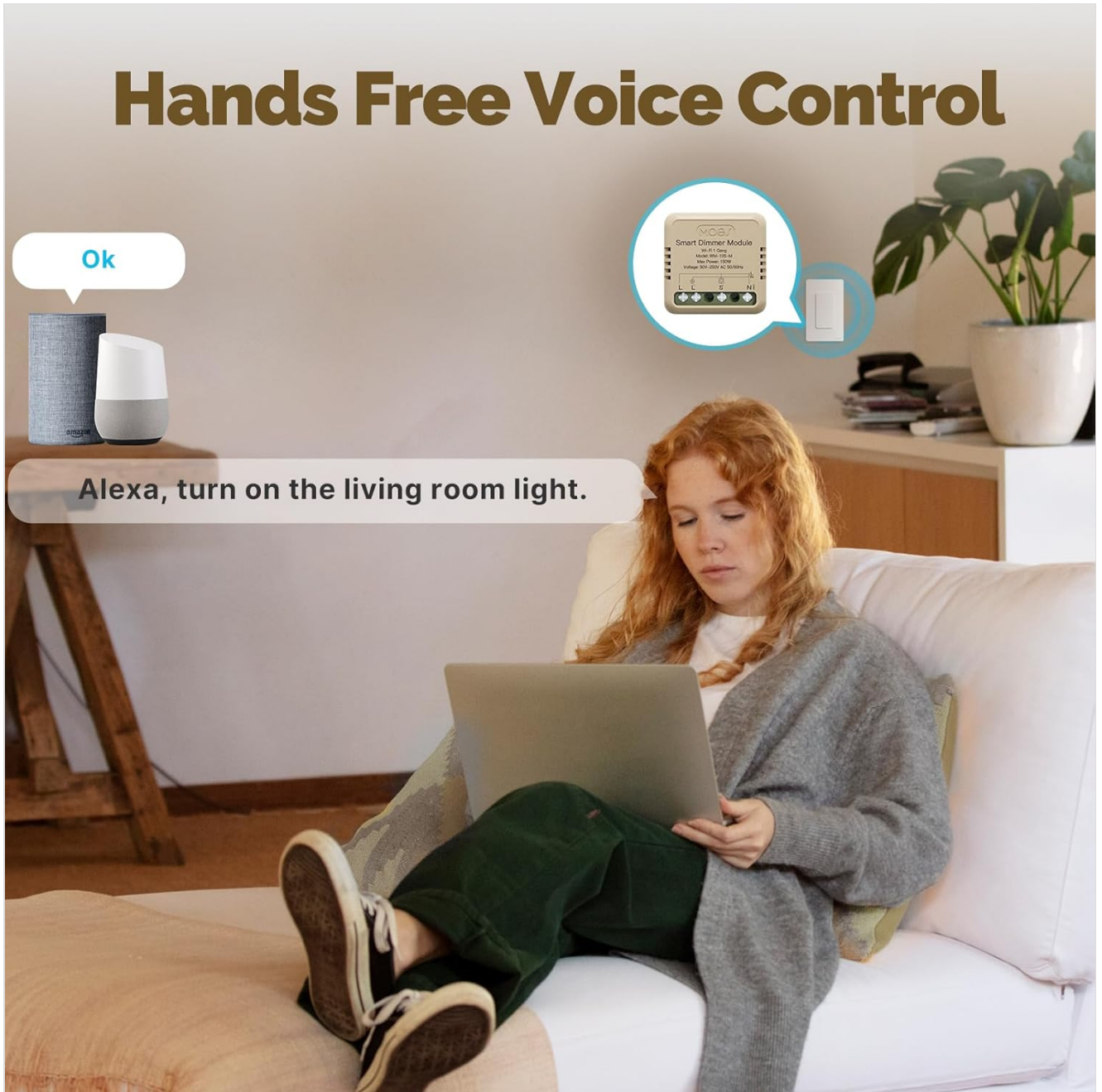


Image: The MOES Smart Dimmer Module shown fitting into various standard switch box sizes (3.5x3.5in, 3.15x3.15in, 3.75x3.98in), highlighting its compact dimensions.



Image: A diagram illustrating the installation of the smart module inside a hidden switch box, indicating a successful fit.

2. Method Two: DIN Rail Installation

Alternatively, the module can be installed on a DIN rail, which is common in electrical panels. This method is suitable for centralized control setups.



Image: A diagram depicting the smart module being installed onto a DIN rail, showing its compatibility with this mounting type.

Wiring Diagram:

Refer to the detailed wiring diagram provided in the physical installation manual for specific connections. Ensure all connections are secure and comply with local electrical codes.



Image: The MOES Smart Dimmer Module, highlighting its wiring terminals (L, S, N, L1, L2) for connection to power and light switches.

OPERATING INSTRUCTIONS

App Control:

Download the MOES or Tuya Smart Life app from your device's app store. Follow the in-app instructions to add and configure your Smart Dimmer Module. The app allows for remote control, scheduling, and advanced settings.

App Remote Control



Image: A user interacting with a smartphone app to remotely control a light connected to the MOES Smart Dimmer Module.

Voice Control:

Once integrated with Google Assistant or Amazon Alexa, you can control your lights using voice commands. For example, say "Alexa, turn on the living room light" or "Hey Google, dim the bedroom light to 50%."

Hands Free Voice Control

Ok



Alexa, turn on the living room light.



Image: A person relaxing on a couch, using voice commands to control a light connected to the smart module via a smart speaker.

Dimmable Functionality:

The module supports 1%-100% dimming gradient. When connected to a compatible dimmable light fixture, you can adjust brightness via the app or voice commands. This functionality is applicable to Rocker & Self-Reset Switches.

Compact Size, Fits Everywhere.

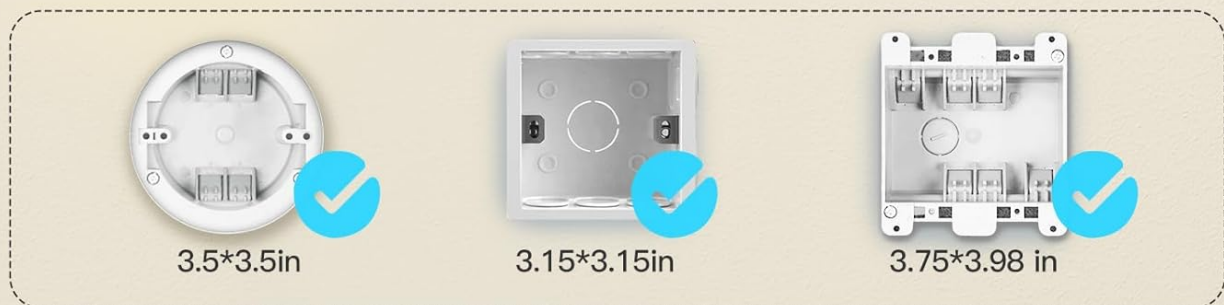


Image: An illustration demonstrating the 1%-100% dimming capability of the module, compatible with both self-reset and rocker light switches.

Timer Function:

Utilize the timer function within the app to set schedules, countdowns, or random on/off times for your connected lights or appliances. This feature enhances energy efficiency and convenience.

MINI Extreme Wi-Fi Smart Switch Module

2.4GHz WiFi



Image: Visual examples of the timer functions available, including countdowns, scheduled operations, and random on/off cycles for various devices.

Multi-Control Association:

The module supports multi-control association, allowing you to control a single light from multiple physical switch locations or smart devices. This is ideal for hallways or large rooms.

Multi-Control Association

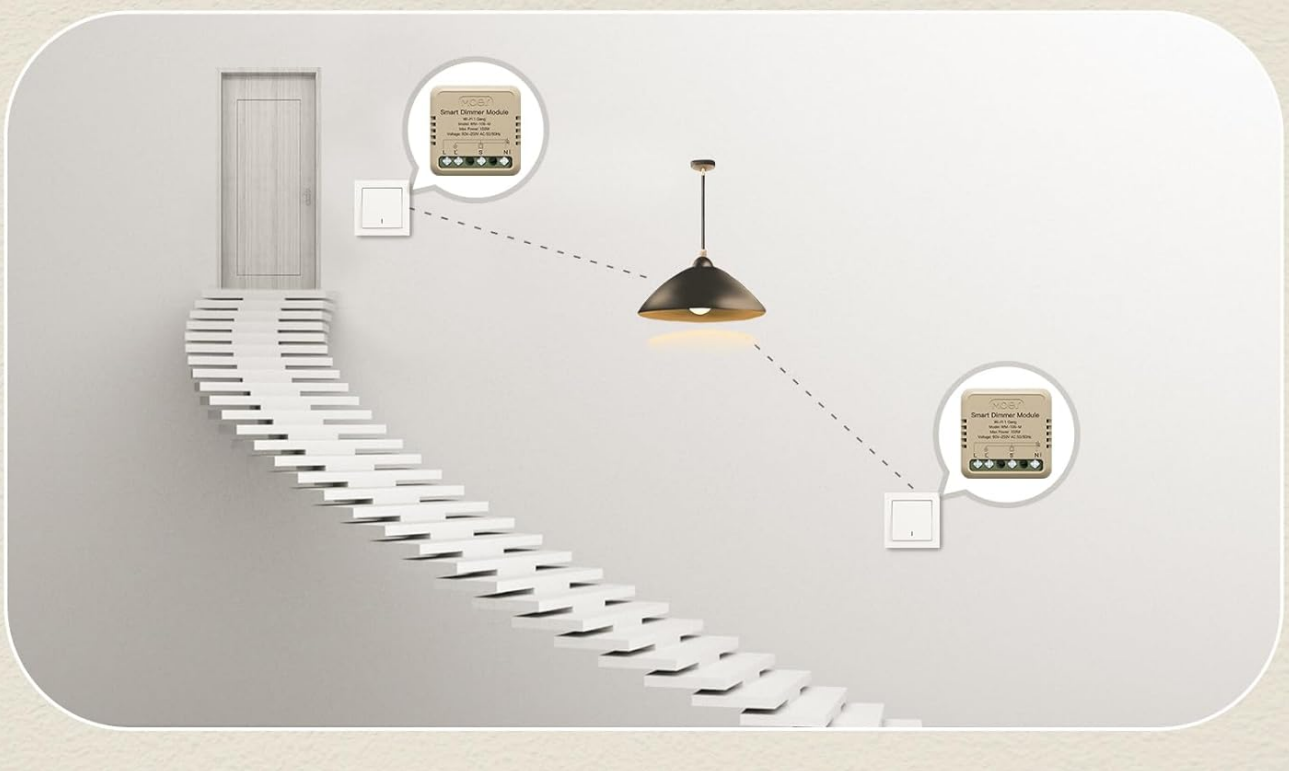
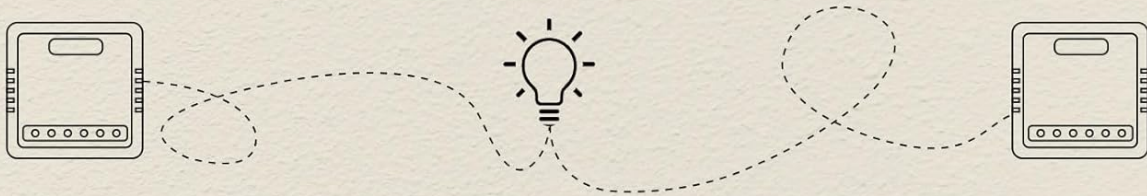


Image: A diagram illustrating how the smart module enables multi-control association, allowing a single light fixture to be controlled from different switch locations.

MAINTENANCE

The MOES WiFi Smart Relay Dimmable module is designed for low maintenance. Ensure the device is kept in a dry environment and away from extreme temperatures. Periodically check wiring connections for security. For cleaning, gently wipe the exterior with a dry, soft cloth. Do not use liquid cleaners or abrasive materials.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device frequently goes offline or loses WiFi connection.	Weak WiFi signal; interference from metal junction box; router issues.	<ul style="list-style-type: none"> • Ensure the module is installed in a location with strong WiFi coverage. • If using a metal junction box, consider relocating the module or improving WiFi signal strength in the area. • Restart your WiFi router. • Check for firmware updates for the module via the app.
Lights flicker or flutter when turned on/off.	Incompatible light bulbs (non-dimmable LEDs); faulty wiring; module issue.	<ul style="list-style-type: none"> • Ensure you are using dimmable light bulbs. • Verify all wiring connections are secure and correct according to the manual. • If the issue persists, contact customer support.
Cannot pair the device with the app.	Incorrect pairing mode; 2.4GHz vs 5GHz WiFi band issue; incorrect network password.	<ul style="list-style-type: none"> • Ensure your phone is connected to a 2.4GHz WiFi network during pairing. • Follow the app's pairing instructions carefully, including any reset procedures for the module. • Double-check your WiFi password.

SPECIFICATIONS

Feature	Detail
Model Number	WM-105-M-MS
Package Dimensions	4.06 x 2.17 x 1.26 inches; 2.08 ounces
Operation Mode	Automatic
Current Rating	10 Amps
Contact Type	Normally Open
Connector Type	Auxiliary
Brand	MOES
Mounting Type	Wall Mount
Contact Material	Tungsten
Upper Temperature Rating	40 Degrees Celsius
Control Method	App, Remote, Voice
Wattage	75 watts

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided in the physical installation manual or visit the official MOES website. Keep your purchase receipt for warranty claims.

For further assistance, you may also contact the seller directly through the platform where the product was purchased.

