

Rollerhouse PDM25-1.5/25-ET-W

Rollerhouse Tuya WiFi Smart Roller Shade Motor

MODEL: PDM25-1.5/25-ET-W

Instruction Manual

1. Product Overview

The Rollerhouse Tuya WiFi Smart Roller Shade Motor is designed to automate roller blinds and shades with 1.5-inch (38mm) tubes. This motor integrates with smart home ecosystems like Alexa and Google Home, offering convenient app and timer control without requiring an additional hub.

Key features include:

- WiFi connectivity (2.4Ghz required) for smart home integration.
- Compatibility with Alexa Echo and Google Assistant for voice control.
- Remote and timing control via a mobile application.
- Ability to set up timing schedules, groups, routines, and percentage control.
- Hardwired AC 110V operation, always plugged in.

2. Package Contents

Verify that all components are present in your package:

- 1x Blinds Motor (suitable for 36-38mm / 1-1/2 inch tubes)
- 1x Remote Control
- 1x End Cap
- 2x Mounting Hardware (brackets)
- 1x User Manual
- Rubber fittings



This image displays the complete package contents of the Rollerhouse Tuya WiFi Smart Roller Shade Motor, including the motor unit, remote control, end cap, and mounting brackets.

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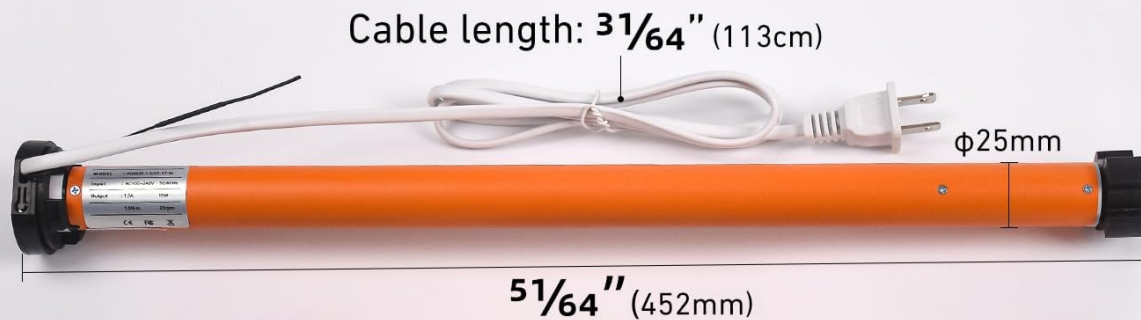
This video provides a visual overview of the items included in the Rollerhouse Smart Roller Shade Motor package, showing the motor, remote, power adapter, and mounting hardware.

3. Technical Specifications

Model	PDM25-1.5/25-ET-W
Rated Power	15W
Output	1.3A
Input	AC100-240V
Rotate Speed	25rpm
Motor Diameter	25mm
Receive Frequency	50/60Hz
Cable Length	113cm (approx. 44.5 inches)
Motor Dimensions	452mm (approx. 17.8 inches) length

WiFi Connectivity	2.4GHz (5GHz not supported)
Compatibility	Alexa, Google Assistant, Tuya SmartLife App

Motor Specifications Packaging & Accessories



Remote control
(include)



Metal brackets
(include)

Model	PDM25-1.5/25-ET-W	Rotate Speed:	25rpm
Rated power:	15W	Motor Diameter:	25mm
Output:	1.3A	Receive Frequency:	50/60Hz
Input:	AC100~240V	Packing:	1.Plug-in Wired Motor 2. Remote 3. Mounting Bracket

This image provides technical specifications such as cable length, motor diameter, rated power, output, input, rotate speed, receive frequency, and lists included accessories like the remote control and metal brackets.

4. Installation Guide

Follow these steps for proper installation of your smart roller shade motor:

- Measure Tube Dimensions:** Accurately measure the Inner Diameter (ID) and Outer Diameter (OD) of your existing roller shade tube. A digital ruler is recommended for precision. The motor is designed for 1.5-inch (38mm) tubes.
- Fit Crown and Drive Adapters:** Select and fit the appropriate crown and drive adapters onto the motor shaft. These adapters ensure a secure fit within your shade tube.
- Install End Plug Side Bracket:** Securely install the end plug side bracket to your mounting surface.

4. **Insert Motor into Tube:** Carefully insert the motor with its adapters into the roller shade tube.
5. **Mount the Shade:** Mount the entire roller shade assembly, with the motor inside, onto the installed brackets.

How to measure How to Install the Motor



- ① Please measure ID&OD
Recommend a digital ruler
to measure the ID and OD



- ② Fit required crown and drive adapters



- ③ Install the end plug side bracket



- ④ Pair the remote with motor

Order Remarks: If you are not sure how to buy, you can consult the seller's customer service.
Ordered one to test and then going to complete the rest of your home

This diagram illustrates the initial steps for motor installation, including measuring the inner and outer diameter of the shade tube, fitting the crown and drive adapters, installing the end plug side bracket, and pairing the remote with the motor.

TUBE & ACCESSORIES

Remarks: For more options, please contact our service consultant

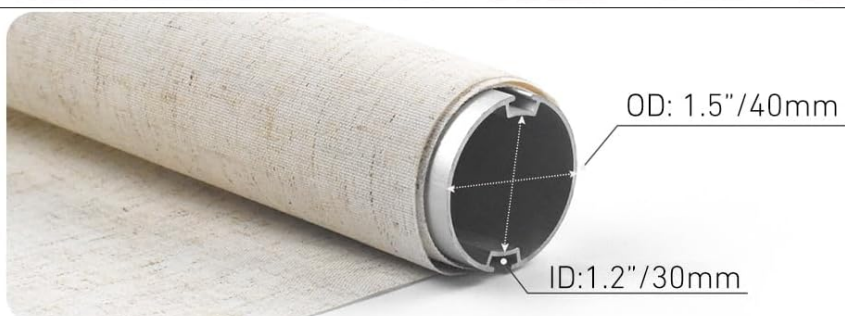
Motor Tube
PM25 Motor(φ25)



Crown
Drive
adaptor



Compatible 1.5in.(38mm)
Shade tube



This image illustrates the various tube and accessory components, detailing the motor tube, crown drive adaptor, and the compatible 1.5-inch (38mm) shade tube with its outer and inner diameter measurements.



This close-up view highlights key features of the motor, including the power supply connection point, the setting button for configuration, and the motor hole designed for bracket installation.

5. Setup and Pairing

5.1. Connecting the Remote Control

1. Press the motor setting button for 1 second. The motor will jog once.
2. Press the pairing button on the remote control.
3. The motor will jog once again, indicating successful pairing.

5.2. Connecting to the App (Tuya Smart / Smart Life)

1. Download the Smart Life or Tuya Smart app from your app store. You can scan the QR codes below for direct access:
[Smart Life App](#) | [Tuya Smart App](#)
2. Open the app and create an account or log in.
3. Press the motor setting button one time (motor jogs once). Then press the motor setting button 3 times. The motor will enter network configuration state.
4. Follow the in-app instructions to add the device. Ensure your phone is connected to a 2.4GHz WiFi network.

How to connect the remote control



1

Press motor setting button for 1 time, motor jogs once



2

Press pairing button on the remote



3

Motor jogs once means pairing done

How to connect the APP



Smart Life



Tuya Smart

1

APP Download
Scan the QR code to
download the Tuya APP



2

Press the motor setting button one time,
motor jogs. Press motor head 3 times,



3

Enters the network
configuration state

This visual guide details the steps for pairing the remote control with the motor and connecting the motor to the Smart Life or Tuya Smart application, including QR codes for app downloads.

Your browser does not support the video tag.

This video illustrates the process of connecting the power supply to the motor and performing a basic test of the remote control to ensure functionality.

6. Operation

Once installed and paired, you can operate your smart roller shade motor using the remote control, the mobile app, or voice commands via Alexa or Google Home.

6.1. Remote Control Operation

Use the dedicated buttons on the remote to raise, lower, or stop the blinds. Refer to the remote's specific instructions for setting upper and lower limits, and intermediate stopping positions.

240V Plug-in Motorized Blinds Motor

Technical Specifications:

WiFi Connectivity: 2.4GHz (5GHz not supported)

Compatibility: Works with Alexa, Google Assistant, and Tuya SmartLife App

Power Rating: 110-240V, 10A Max

Dimensions: Motor diameter 25mm, with rubber fittings working for 1.5in.(38mm) shade tube



This image demonstrates the convenience of remote control, allowing users to adjust their blinds from any location using the provided remote or a smartphone application.

6.2. App Control and Scheduling

The Tuya Smart or Smart Life app allows for advanced control:

- **Open/Close:** Manually control the blinds from anywhere.
- **Percentage Control:** Adjust blinds to a specific percentage open or closed.
- **Timing Schedules:** Set daily or weekly schedules for automatic opening and closing.
- **Intermediate Limits:** Program multiple stopping positions for customized light control.
- **Group Control:** Control multiple motors simultaneously by creating groups in the app.

TUBE & ACCESSORIES

Remarks: For more options, please contact our service consultant

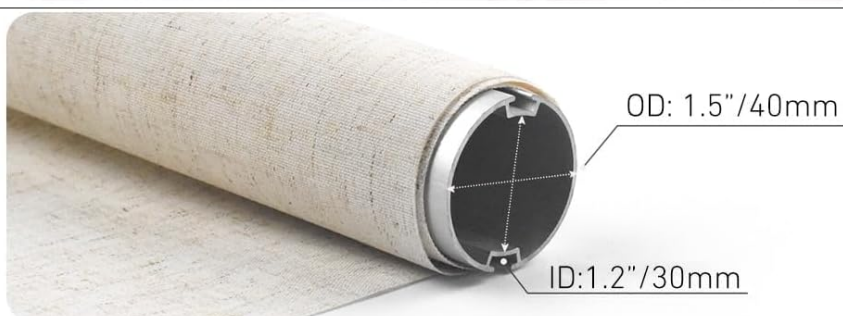
Motor Tube
PM25 Motor(φ25)



Crown
Drive
adaptor



Compatible 1.5in.(38mm)
Shade tube



This visual explains the customizable timer and scheduling features, enabling users to set automatic opening and closing times for their blinds, including intermediate stopping positions.

6.3. Voice Control

Integrate the Tuya Smart or Smart Life app with Alexa or Google Home to enable voice commands for your blinds. Follow the instructions within your smart assistant's app to link the Tuya skill/service.

7. Troubleshooting

If you encounter issues with your Rollerhouse Smart Roller Shade Motor, consider the following:

- **Motor Not Responding:**

- Check if the motor is properly plugged into a power source.
- Ensure the remote control battery is not depleted.
- Verify that the remote is correctly paired with the motor.

- **App Connectivity Issues:**

- Confirm your WiFi network is 2.4GHz. 5GHz networks are not supported.
- Ensure your mobile device is connected to the same 2.4GHz WiFi network during setup.
- Restart your WiFi router and the motor.

- Attempt to re-pair the motor with the app.

- **Incorrect Travel Limits:**

- Refer to the detailed instructions in the included user manual for setting and adjusting upper, lower, and intermediate travel limits.
- A factory reset may be necessary if limits are severely misconfigured, followed by re-pairing and limit setting.

- **Motor Noise:**

- Some motor noise during operation is normal. Excessive or unusual noise may indicate an issue with installation or internal components.
- Ensure the motor is securely seated within the tube and brackets.

For further assistance, please contact Rollerhouse customer support.

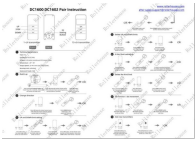
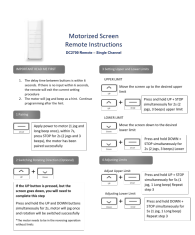

8. Warranty and Support


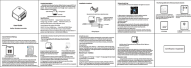

This product comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions.

For technical support, troubleshooting, or warranty claims, please contact Rollerhouse customer service. We offer 24-hour service to assist you with any inquiries.

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Related Documents - PDM25-1.5/25-ET-W

	<p>DC1600 DC1602 Transmitter Pairing and Limit Setting Instructions</p> <p>Instructions for pairing and setting limits for DC1600 and DC1602 transmitters with motorized blinds. Covers basic operation, limit setting, and adding new transmitters.</p>
	<p>Rollerhouse DC2700 Remote Instructions for Motorized Screens</p> <p>A comprehensive guide to operating and setting up the Rollerhouse DC2700 single-channel remote for motorized screens, including pairing, limit setting, and troubleshooting.</p>
	<p>Zemismart Smart Tubular Motor Installation & Operation Guide</p> <p>Comprehensive guide for installing and operating Zemismart Smart Tubular Motors (ZM25TQ series). Covers specifications, Tuya App setup, remote pairing, limit settings, motor direction, and resetting procedures for automated blinds and curtains.</p>

	<p>Leviosa Shades 5" Square Bracket Installation Guide</p> <p>Step-by-step instructions for installing Leviosa Shades with 5" square brackets, including fascia and valance mounting for standard and reverse roll configurations. Learn how to handle shades safely and mount motorized options.</p>
	<p>ERC2206-W Roller Shutter Controller User Guide EBELONG</p> <p>Comprehensive user guide for the EBELONG ERC2206-W Mini Wireless Receiver Roller Shutter Controller. Learn about installation, specifications, pairing methods (WiFi, RF, App, wired switch), network setup, and repeater mode.</p>
	<p>Motorized Shades Installation Manual - Zshine</p> <p>Comprehensive installation manual for Zshine motorized shades, covering product view, tools needed, step-by-step installation, motor and remote functions, programming, and frequently asked questions. Suitable for electric roller shades with standard roll, valance, and zebra blinds.</p>