

HUIYEETEX DM25DS-0.7/34

HUIYEETEX DM25DS 12V Electric Roller Shade Replacement Motor User Manual

Model: DM25DS-0.7/34

Brand: HUIYEETEX

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your HUIYEETEX DM25DS 12V Electric Roller Shade Replacement Motor. This motor is designed for use in RVs and other applications requiring a 12V DC power supply and compatibility with 1-3/16 inch shade tubes. Please read this manual thoroughly before installation and operation to ensure proper function and safety.

2. SAFETY INFORMATION

- **Voltage:** This motor operates on 12V DC. Ensure your power supply matches this voltage. Connecting to an incorrect voltage can damage the motor and pose a safety risk.
- **Wiring:** All wiring should be performed by a qualified individual or with careful adherence to the provided wiring diagrams. Incorrect wiring can lead to electrical hazards or motor malfunction.
- **Children and Pets:** The 12V DC operation is generally safe for environments with children and pets. However, ensure all wiring is properly secured and out of reach.
- **Tube Compatibility:** Verify that your shade tube's internal diameter is 1-3/16 inches (approximately 30mm) before installation. Incompatible tubes can prevent proper motor function or cause damage.
- **Environmental Conditions:** The motor has an IP44 protection class, meaning it is protected against solid objects larger than 1mm and splashing water from any direction. Avoid exposing the motor to direct water jets or submersion.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all the following items are included:

- 1x DM25DS 12V Electric Roller Shade Replacement Motor
- 1x Limit Setting Tool

- 1x Installation Instruction Manual (this document)

4. PRODUCT OVERVIEW

The HUIYEETEX DM25DS motor is a reliable replacement for motorized blinds and shades in RVs. It features a hardwired 12V DC power supply, eliminating the need for battery changes. The motor is controlled via a 2-wire system and includes mechanical limit switches for precise shade positioning.



Figure 1: DM25DS Motor with Key Specifications. This image displays the DM25DS motor and a table detailing its model, torque/speed, voltage, rated current, power, IP protection class, control type, and limits.



Figure 2: Motor End and Internal Structure. This image highlights the limit switch adjustment points on the motor and an exploded view of its internal structure, including the motor head, limit switch, motor, and gearbox.

5. SETUP AND INSTALLATION

5.1 Measure Your Shade Tube

Before installation, it is crucial to measure the internal diameter of your existing shade tube to ensure compatibility. The DM25DS motor is designed to fit 1-3/16 inch (approximately 30mm) shade tubes.



Figure 3: Shade Tube Measurement Guide. This image illustrates how to measure the internal diameter of your shade tube, emphasizing the need for a 1-3/16 inch (30mm) compatible tube for the motor.

5.2 Circuit Installation

Follow the wiring diagram below for proper circuit installation. Ensure the power supply is disconnected before beginning any wiring work.



Figure 4: Circuit Installation Diagram. This diagram provides instructions for circuit installation, showing how to connect the motor's blue and brown wires to a 12V/24V power supply (transformer) and a switch for operation.

1. Connect the motor's blue wire to the positive (+) terminal of your 12V DC power supply.
2. Connect the motor's brown wire to the negative (-) terminal of your 12V DC power supply.
3. Integrate the motor into your existing or new shade control switch system, ensuring correct polarity for up/down movement. Refer to your switch's specific wiring instructions if applicable.
4. Ensure all connections are secure and insulated to prevent short circuits.

5.3 Motor Insertion into Shade Tube

Carefully slide the motor into the shade tube. The motor's drive adapter should fit snugly into the tube's internal profile. Ensure the motor is fully seated and secured within the tube according to your shade system's design.

6. OPERATING INSTRUCTIONS

After installation, the motor's upper and lower limits must be set to ensure the shade stops at the desired positions.

6.1 Setting the Upper Limit

Use the provided limit setting tool to adjust the upper travel limit.



Figure 5: Upper Limit Setting Procedure. This image details the process for setting the upper limit: switch on, press the UP button, use the special regulator to adjust the '+' direction by rotating the white worm, and press stop when the desired upper position is reached.

1. Ensure the motor is powered on.
2. Press the UP button on your control switch once to move the shade upwards.
3. Insert the limit setting tool into the white limit switch setting hole (marked with '+') on the motor end.
4. Rotate the white worm with the tool to adjust the upper limit. Rotate clockwise to increase the upward travel distance, and counter-clockwise to decrease it.
5. When the shade reaches your desired upper position, press the STOP button on your control switch. The upper limit is now set.

6.2 Setting the Lower Limit

Use the provided limit setting tool to adjust the lower travel limit.



Figure 6: Lower Limit Setting Procedure. This image details the process for setting the lower limit: switch on, press the DOWN button, use the special regulator to adjust the '-' direction by rotating the red worm, and press stop when the desired lower position is reached.

1. Ensure the motor is powered on.
2. Press the DOWN button on your control switch once to move the shade downwards.
3. Insert the limit setting tool into the red limit switch setting hole (marked with '-') on the motor end.
4. Rotate the red worm with the tool to adjust the lower limit. Rotate clockwise to increase the downward travel distance, and counter-clockwise to decrease it.

5. When the shade reaches your desired lower position, press the STOP button on your control switch. The lower limit is now set.

7. MAINTENANCE

The HUIYEETEX DM25DS motor is designed for minimal maintenance. Regular checks can help ensure its longevity and optimal performance:

- **Cleaning:** Periodically wipe the motor and surrounding areas with a dry, soft cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Wiring Inspection:** Occasionally inspect the wiring for any signs of wear, fraying, or loose connections. Address any issues promptly.
- **Shade Operation:** Observe the shade's movement. If it becomes sluggish or makes unusual noises, refer to the troubleshooting section.

8. TROUBLESHOOTING

If you encounter issues with your DM25DS motor, try the following troubleshooting steps:

- **Motor Not Responding:**
 - Check the power supply to ensure it is connected and providing 12V DC.
 - Verify all wiring connections are secure and correct according to the circuit diagram.
 - Test the control switch for proper function.
- **Shade Stops at Incorrect Position:**
 - The upper or lower limits may need to be reset. Follow the instructions in Section 6.1 and 6.2.
- **Unusual Noises During Operation:**
 - Ensure the motor is properly seated within the shade tube and not rubbing against any surfaces.
 - Check for any obstructions in the shade's path.

If these steps do not resolve the issue, please contact customer support.

9. SPECIFICATIONS

Feature	Specification
Brand	HUIYEETEX
Model Name	DM25DS-07/34
Speed	34 RPM
Voltage	12 Volts (DC)
Horsepower	7 Watts
Product Dimensions	13.58 x 0.98 x 0.98 inches

Feature	Specification
Item Weight	12.6 ounces
Item Model Number	DM25DS-0.7/34
IP Protection Class	IP44
Control Type	2-Wire Only, Switch Control

10. WARRANTY INFORMATION

This product is subject to a 30-day return policy for refund or replacement, as per standard retail terms. For specific warranty details beyond this period, please refer to the manufacturer's official documentation or contact their support directly.

11. SUPPORT

If you have any questions, require technical assistance, or need further support regarding your HUIYEETEX DM25DS motor, please contact the manufacturer or your point of purchase. Ensure you have your model number (DM25DS-0.7/34) and purchase details available when seeking support.

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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

Anonymous

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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