

ALEKO DM45R-FBM

ALEKO Retractable Awning Tubular Motor Instruction Manual

Model: DM45R-FBM | **Brand:** ALEKO

INTRODUCTION

The ALEKO DM45R UL approved tubular motor is designed to provide effortless motorized operation for your retractable awning, shades, bamboo blinds, or similar roll-up applications. This motor is built for strength and durability, ensuring years of reliable use. This manual will guide you through the installation, operation, and maintenance of your new tubular motor.

Key Features:

- Enables remote operation of retractable awnings.
- Integrated radio receiver for remote control functionality.
- Robust and durable construction for long-term performance.
- Compatible with ALEKO brand retractable awnings and other roll-up systems.
- Includes one AWRC remote and an 18-foot power cord.
- UL-Approved for safety.
- Rated power: 205 watts.

SETUP AND INSTALLATION

Components Included:

Your ALEKO DM45R Tubular Motor kit includes the following items:

- One Tubular Motor (DM45R) with attached power cord.
- One Manual Hand Crank Tool.
- One Limit Switch Adjustment Tool.
- One Programmable Remote (AWRC model).



Image: The ALEKO DM45R Tubular Motor, showing the green motor unit, white power cord, white remote control, black manual crank tool, and green limit switch adjustment tool.

Installation Steps:

Follow these steps to install the tubular motor into your retractable awning. For a visual guide, please refer to the installation video below.

Video: Official ALEKO Products tutorial on installing the Tubular Motor for Awnings. This video demonstrates the process of disassembling the awning roller, inserting the motor, and reassembling the components.

1. **Remove End Caps and Brackets:** Carefully remove both D-brackets and one roller cap from the ends of your

awning's roller. This will expose the interior of the roller tube.



Image: A close-up of hands removing the end cap and D-bracket from the awning roller, exposing the internal mechanism.

2. **Align Motor Pegs:** Before inserting the motor, ensure the pegs on the motor's end align precisely with the corresponding slots inside the awning roller. This alignment is crucial for proper motor engagement.



Image: A detailed view showing the alignment of the motor's drive pegs with the internal slots of the awning roller tube.

3. **Slide Motor into Roller:** Gently slide the tubular motor completely inside the awning roller tube until it is fully seated.
4. **Secure H-Bracket:** Thread the bolts through the H-bracket and secure it to the end of the motor using the provided pin.



Image: Hands securing the H-bracket to the motor's end with bolts and a pin, ensuring a stable connection.

5. **Mount D-Brackets:** Insert the bolts through the D-bracket mounts and secure them to the awning frame. Ensure all bolts are tightened with washers and nuts for a secure fit.
6. **Attach Manual Crank Tool (Optional/Emergency):** If desired, or for emergency manual operation, remove the screw from the top of the hand crank tool's shaft. Insert the loop of the hand crank tool into the hole on the motor, ensuring the loop faces towards the ground. Reinsert and tighten the screw with a Phillips head screwdriver.
7. **Reinstall End Brackets:** Once the motor is securely in place and all connections are made, reinstall the end brackets on both ends of the roller.

Important Safety Information:

Ensure proper anchoring according to the installation instructions, taking into account load-bearing capacity and wind resistance. Be aware of moving parts and keep clear during operation to prevent injury.

OPERATING INSTRUCTIONS

Remote Control Programming (AWRC Model):

To program your AWRC remote control to the tubular motor, follow these steps. A video demonstration is provided below

for clarity.

Video: Official ALEKO Products tutorial on programming the AWRC Remote Control for the Awning Tubular Motor. This video details the steps for syncing the remote with the motor based on motor orientation.

1. **Access Remote Interior:** Turn the remote over and slide off the back cover. Inside, you will find the battery compartment and a small orange P2 button.
2. **Insert Battery:** Insert the provided 27A 12V battery into the remote, ensuring the positive (+) side is facing towards the bottom of the remote.
3. **Power Cycle Motor:** Unplug the awning motor from its power outlet. Wait for 10 seconds, then plug the motor back into the outlet.
4. **Program Remote (Right-Facing Motor):** If your motor is installed on the right side of the awning (when viewed from the front), push the P2 button on the remote twice. Immediately flip the remote over and push the top button twice, then push the bottom button once to engage the awning.
5. **Program Remote (Left-Facing Motor):** If your motor is installed on the left side of the awning (when viewed from the front), push the P2 button on the remote twice. Immediately flip the remote over and push the bottom button twice, then push the bottom button a third time to engage the awning.
6. **Replace Cover:** Once programming is complete, replace the battery cover on the back of the remote.

Basic Operation:

- Use the top button on the remote to extend the awning.
- Use the middle button to stop the awning at any desired position.
- Use the bottom button to retract the awning.

MAINTENANCE

To ensure the longevity and optimal performance of your ALEKO tubular motor and awning, consider the following maintenance tips:

- **Regular Cleaning:** Keep the motor housing and surrounding areas free from dust, dirt, and debris. Use a soft, dry cloth for cleaning.
- **Inspect Connections:** Periodically check all electrical connections and mounting bolts to ensure they are secure and free from corrosion.
- **Avoid Obstructions:** Ensure the awning path is clear of any obstructions during operation. Do not force the awning if it encounters resistance.
- **Battery Replacement:** Replace the remote control battery (27A 12V) when the remote's range decreases or it becomes unresponsive.

TROUBLESHOOTING

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

- **Motor Not Responding:**
 - Check if the motor is properly plugged into a working power outlet.
 - Verify the remote control battery is not depleted. Replace if necessary.
 - Ensure the remote is properly programmed to the motor (refer to Operating Instructions).
- **Awning Stops Mid-Operation:**
 - Check for any physical obstructions in the awning's path.
 - The motor may have reached its upper or lower limit settings.
- **Awning Not Extending/Retracting Fully:**
 - The limit switch settings may need adjustment. Refer to the manufacturer's specific instructions for limit switch adjustment (typically done with the green adjustment tool).

If these steps do not resolve the issue, please contact ALEKO customer support for further assistance.

SPECIFICATIONS

Attribute	Value
Brand	ALEKO
Model Number	DM45R-FBM
Material	Steel
Color	white
Size	Tubular Motor
Item Weight	1 Pounds
Product Dimensions	27 x 5 x 5 inches
Operation Mode	Automatic
Rated Power	205 Watts
UL Approved	Yes
UPC	649870029263

WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the documentation included with your purchase or visit the official ALEKO website. You may also contact ALEKO customer service directly for assistance.

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

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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