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DOOYA DT52E-75/20

DOOYA DT52E-75W Electric Curtain Motor User Manual

Model: DT52E-75/20

1. PRODUCT OVERVIEW

The DOOYA DT52E-75W electric curtain motor is designed to provide seamless automation and convenience for your curtains. This robust motor features a built-in receiver and is controlled wirelessly via a remote, offering smooth and efficient operation for various residential and office environments.



Figure 1: Front view of the DOOYA DT52E-75W Electric Curtain Motor.

Key Features:

- **Remote Control Included:** Effortlessly manage your curtains with the wireless remote.
- **Powerful Motor:** 75W motor for smooth and efficient operation.
- **Voltage Compatibility:** Works with 220-240V for seamless integration.
- **Quick Curtain Movement:** Open/close speed of 14 cm/s.
- **Durable Design:** Operates effectively in temperatures from -10°C to +55°C.
- **Overheat Protection:** Maximum single run time of 4 minutes to prevent overheating.
- **Wireless Operation:** Functions on 433.925 MHz radio frequency.

2. COMPONENTS AND DIMENSIONS

The DOOYA DT52E-75W motor package typically includes the motor unit and a wireless remote control. Ensure all components are present upon unboxing.



Figure 2: Rear view of the motor showing the product label and connection points.



Figure 3: Detailed view of the motor's rear panel, highlighting the tag, set keys, and 4P4C port for connections.

Product Dimensions:



Figure 4: Dimensions of the DOOYA DT52E-75W motor, approximately 23.5 cm in length, 7.6 cm in width, and 5.5 cm in height.

3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your electric curtain motor. It is recommended that installation be performed by a qualified professional.

Pre-installation Checklist:

- Ensure the curtain track is correctly installed and operates smoothly manually.
- Verify that the power supply (220-240V) is accessible at the installation point.
- Confirm that the motor's specifications match your curtain system requirements.

Installation Steps (General Guidance):

1. Mount the motor securely to the designated position on the curtain track.
2. Connect the motor to the power supply, ensuring all wiring is done according to local electrical codes and safety standards. Refer to the wiring diagram on the motor's label (Figure 2) for correct connections.
3. Integrate the motor with the curtain track system, ensuring smooth engagement with the curtain runners.
4. Perform initial testing to confirm the motor moves the curtain freely without obstruction.

Note: Specific installation instructions for your curtain track system may vary. Always consult the track manufacturer's

4. OPERATION

The DOOYA DT52E-75W motor is operated using the included wireless remote control. The motor operates on a 433.925 MHz radio frequency.

Remote Control Functions:

- **Open Button:** Press to fully open the curtains.
- **Close Button:** Press to fully close the curtains.
- **Stop Button:** Press to stop the curtain movement at any desired position.
- **Programming Button:** Used for pairing the remote with the motor and setting limits (refer to specific programming instructions provided with the remote).

Setting Limits:

The motor allows for setting precise open and close limits to ensure the curtains stop at the desired positions. Refer to the remote control's specific manual for detailed instructions on how to program these limits using the programming button and set keys on the motor (Figure 3).

Overheat Protection:

The motor is equipped with overheat protection. To prevent damage, the maximum single run time is 4 minutes. If the motor runs continuously for this duration, it will automatically pause to cool down before resuming operation.

5. MAINTENANCE

Regular maintenance ensures the longevity and smooth operation of your DOOYA DT52E-75W motor.

- **Cleaning:** Periodically wipe the motor casing with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Track Inspection:** Ensure the curtain track remains clean and free of obstructions. Dust and debris can hinder smooth curtain movement and put strain on the motor.
- **Cable Check:** Inspect the power cable and connections regularly for any signs of wear, damage, or loose connections.
- **Operating Environment:** The motor is designed to operate effectively in temperatures from -10°C to +55°C. Avoid exposing the motor to extreme temperatures or high humidity.

6. TROUBLESHOOTING

If you encounter issues with your DOOYA DT52E-75W motor, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Motor does not respond to remote.	<ul style="list-style-type: none">• Remote battery is low or dead.• Remote is not paired with the motor.• Power supply issue to the motor.	<ul style="list-style-type: none">• Replace remote batteries.• Re-pair the remote with the motor (refer to remote manual).• Check power connection and circuit breaker.

Problem	Possible Cause	Solution
Curtains stop mid-way or do not open/close fully.	<ul style="list-style-type: none">Obstruction in the curtain track.Limits are incorrectly set.Motor has overheated (after 4 minutes continuous run).	<ul style="list-style-type: none">Clear any obstructions from the track.Reset or re-program the open/close limits.Allow motor to cool down; it will resume operation automatically.
Motor makes unusual noise.	<ul style="list-style-type: none">Curtain track requires lubrication or cleaning.Motor mounting is loose.	<ul style="list-style-type: none">Clean and lubricate the curtain track.Check and tighten motor mounting screws.

If the problem persists after attempting these solutions, please contact customer support.

7. SPECIFICATIONS

The following table outlines the technical specifications for the DOOYA DT52E-75W Electric Curtain Motor:

Product Description	
Product Name	DOOYA DT52E-75W
Rated power	75W
Rated voltage	220-240V
Open/close speed	14(cm/s)
Operating ambient temperature	-10 ~ +55(°C)
Maximum single run Time	4(min)
Radio frequency	433.925(MHz)

Figure 5: Official product specifications table.

Specification	Value
Product Name	DOOYA DT52E-75W
Model Number	DT52E-75/20
Rated Power	75W
Rated Voltage	220-240V
Open/Close Speed	14 cm/s
Operating Ambient Temperature	-10°C to +55°C
Maximum Single Run Time	4 minutes
Radio Frequency	433.925 MHz
Manufacturer	DOOYA

Specification	Value
Country of Origin	China

8. WARRANTY AND SUPPORT






Warranty Information:

The warranty for the DOOYA DT52E-75W motor covers manufacturing defects only. This warranty does not cover damages caused by improper installation, misuse, wear and tear, or accidental damage. Please ensure proper handling and usage of the product to maintain warranty validity.

Customer Support:

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact your retailer or the authorized DOOYA service center. Please have your product model number (DT52E-75/20) and purchase details ready when contacting support.

Related Documents - DT52E-75/20

	<p>Dooya DT82TV/F Curtain Motor Specification and User Guide</p> <p>Detailed specifications, installation instructions, and operation guide for the Dooya DT82TV/F Z-Wave enabled smart curtain motor, covering setup, wiring, and troubleshooting.</p>
	<p>DOOYA DT82TV/NA Smart Curtain Motor User Manual</p> <p>Detailed user manual for the DOOYA DT82TV/NA smart curtain motor, covering features, specifications, wiring, operation, troubleshooting, and safety guidelines.</p>
	<p>Dooya DT82TV/F Curtain Motor Specification and Operation Guide</p> <p>Comprehensive guide for the Dooya DT82TV/F Z-Wave enabled curtain motor, detailing features, installation, setup, operation modes, and troubleshooting for smart home automation.</p>
	<p>Dooya Tubular Motors for Interior Applications - 2019 Product Catalogue</p> <p>Explore the 2019 Dooya product catalogue featuring a comprehensive range of tubular motors for interior applications. Discover innovative solutions for blinds, curtains, and more, with a focus on quality and global reach.</p>
	<p>DOOYA 2025 Product Catalogue: Interior Application</p> <p>Explore the DOOYA 2025 Product Catalogue, featuring a wide range of smart motorization solutions for interior applications. Discover tubular motors, curtain motors, control systems, and accessories designed for enhanced comfort and automation.</p>



[DD1536H/DD1538H Solar Station Receiver: Specifications and Features](#)

Detailed specifications and operational guide for the DD1536H and DD1538H Solar Station with Integrated Receiver, covering installation, product features, control range, and functional modes.