

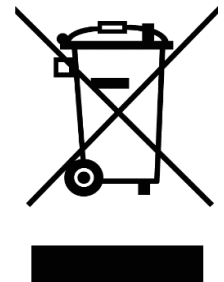


**Direct Current – Radio Motors
with electronic limit switch**

EYD1624

Compatible with:

- **Remote Controllers BF-series or SF-series**
- **Power Supply Unit TR2401 for 24V DC motors**



1. General safety guidelines



Notes on the product

- Make sure you have received the correct drive. Compare the voltage and frequency details on the nameplate with those of the mains supply.
- Check that the drive and the power cable are undamaged. Do not use the product if you discover any damage. In this case, contact the point of sale.
- Only use the drive to open and close suitable hangings.



- Work on electrical installation may only be carried out by authorised electricians in accordance with the wiring diagrams. There is a danger to life from electrical shock!
- Please carry out all installation and connection work only when the power is off.
- The use of defective devices leads to danger to persons due to short circuits and can cause damage to property.
- Do not use defective or damaged devices.
- Check the drive for superficial intactness.
- Inform all persons in safe use of the controller and drive.
- Observe the curtain during operation and keep people away until it is fully opened or closed.
- Do not let children play with the controls.
- Please carry out cleaning work on the curtain when it is disconnected from the power supply.

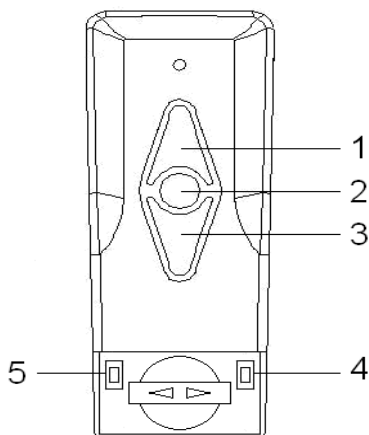
2. Electrical connection

- The distance between the drive and the transmitter should be at least 300 mm.
- The distance between the two radio receivers should be at least 200 mm.
- Strong, local transmitters (e.g. radio headphones) whose transmission frequency is identical to the control (433MHz) can influence the function.
- Only use a suitable power supply with the recommended voltage.

3. Programming the radio transmitter

3.1 Checking the connection between drive and transmitter

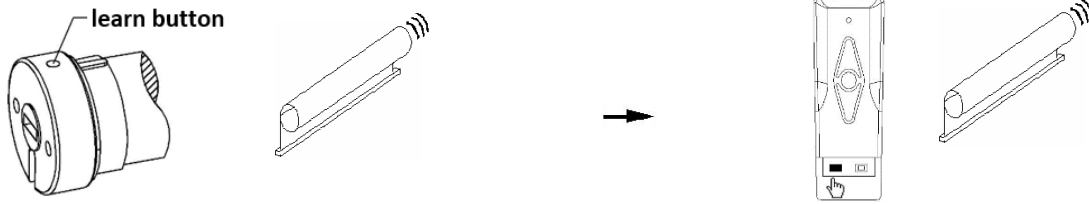
1. Test the connection between the remote controller and the motor by moving the motor up and down by pressing the button. The red LED light should light up with each key command.
2. If the motor does not move and the electrical connection is faultless, you must first establish the connection between the motor and the transmitter.



1. **up button**
2. **stop button**
3. **down button**
4. **limit button**
5. **confirm button**

3.2 Establishing the connection between the motor and remote controller

Establish connection:

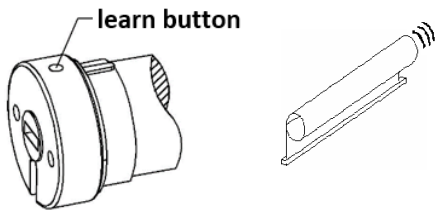


1. Press and hold the **learn button** on the motor head with an object until the drive reacts (usually after a few seconds) first with several short beeps, then long beeps.

2. Once the motor responded with long beeps, release the learn button. Within 5 seconds, press the **confirm button** until the motor confirms with multiple short beeps.

The connection from the drive to the remote controller is thus established. You can now control the drive by pressing the **up** and **down buttons** on the remote controller.

Delete existing connection:



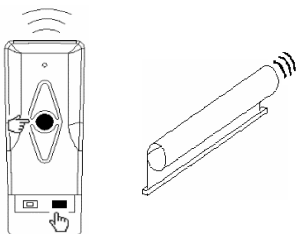
Press and hold the **learn button** on the motor head with a blunt object until the motor responds first with several short beeps, then long beeps, and then several short beeps. Release the learn button.

The connection between the motor and the transmitter is now deleted.

3.3 Check and change the direction of rotation of the drive

Important: Please ensure the direction of rotation before starting to input the motor. We are not liable for product damage caused by negligence during installation.

If the direction of rotation is reversed, you can change the direction of the drive as follows.



Keep the **stop** and **limit buttons** pressed simultaneously until the drive reacts with several short beeps. Release the buttons.

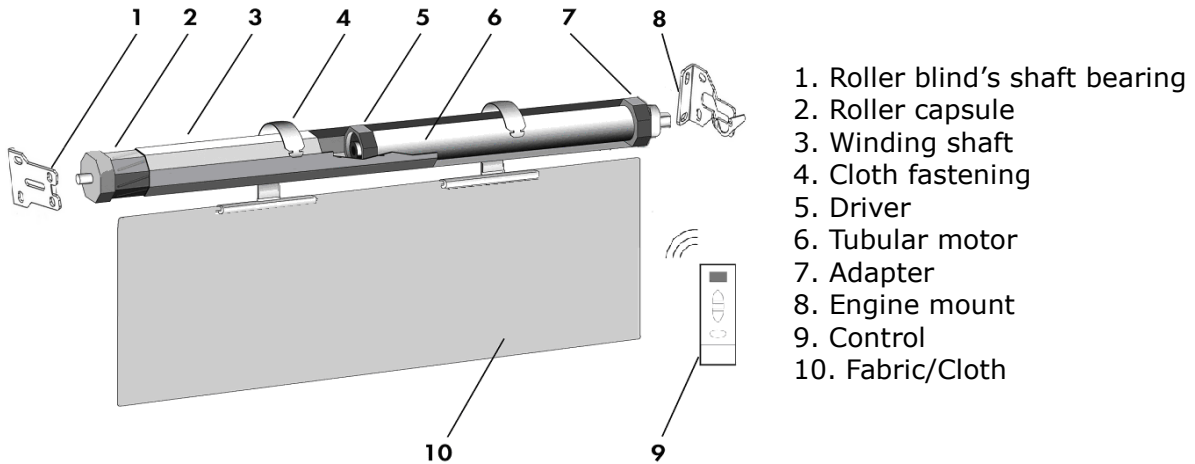
The direction of rotation of the motor is now changed.

4. Installation of the tubular motor



- Do not hit the motor with hard objects – not even to push it into the winding shaft. This can cause damage to the drive and roller blind's shaft.
- Avoid installing the tubular motor in damp places or places where it comes into contact with water.

Installation



- Place the tubular motor into the roller blind's shaft as shown.
- The driver and adapter must be completely recessed into the winding shaft. The adapter must be first pushed into the groove provided for this purpose on the crown of the motor head.
- The head of the motor can be installed either on the right or on the left side.
- The maximum clearance between driver and the roller blind's shaft should not exceed 1 mm.
- The winding shaft must be at an angle of 90 degrees to the wall.
- During installation, make sure that the drive head is always accessible to program the drive.

5. Setting the end positions

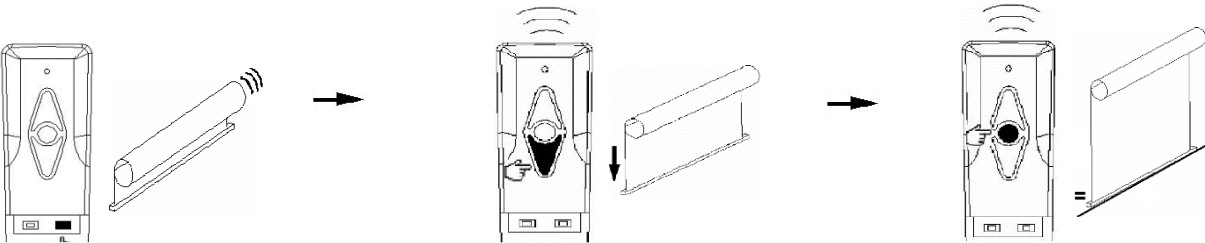


- You need to define the upper and lower end positions, when reaching these, the drive switches off automatically. To do this, the drive system must be fully inserted.
- You can choose whether to set the lower or upper end position first.
- The time between each button combination should not exceed 5 seconds. Otherwise, the setting status is aborted.



With some roller blind fabrics, enormous temperature fluctuations cause the fabric length to change. Depending on the fabric and overall length, in extreme cases, there can be a shortening in cold weathers and a lengthening at high temperatures, which can even be in the centimetre range. Especially for cassette systems it is absolutely necessary not to parameterize the upper end position up to the stop but to leave at least 1 cm clearance!

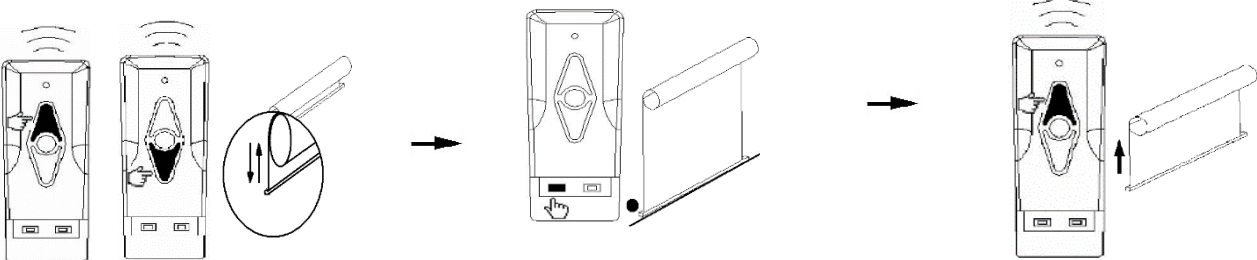
Important: The setting of the two end positions must be performed in one operation. This means that setting only the upper or only the lower end position is not possible. The setting of the end positions is shown below, starting with the lower end position.



1. Press and hold the **limit button** until the motor responds with several short beeps after a few seconds. The motor is now in the setting mode.

2. Press the **down button** of the remote controller once and let the motor roll until the desired end position is reached.

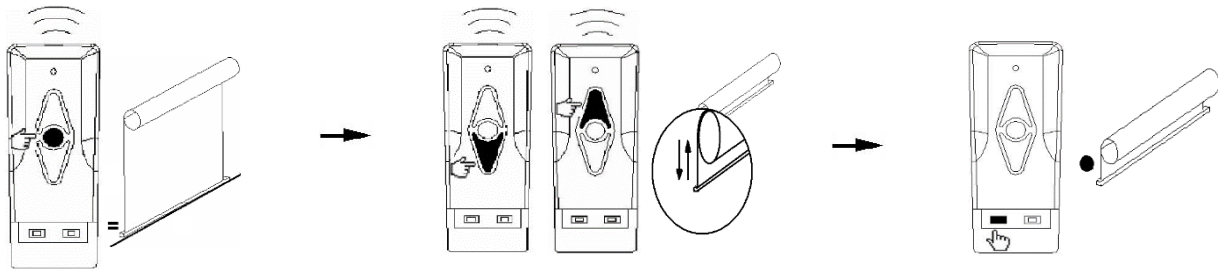
3. Press the **stop button** to stop the motor.



4. Correct the end position if desired by pressing the **up** or **down button**. The motor can be fine-tuned by pressing the button step by step in the respective direction until the desired point is reached exactly.

5. Press the **confirm button** until the motor reacts with several short beeps. The lower end position is now set.

6. Press the **up button** of the remote controller once and let the motor roll until the desired end position is reached.



7. Press the **stop button** to stop the motor.

8. Correct the end position if desired by pressing the **up** or **down button**. The motor can be fine-tuned by pressing the button step by step in the respective direction until the desired point is reached exactly.

9. Press the **confirm button** until the motor reacts with several short beeps. The upper end position is now set.

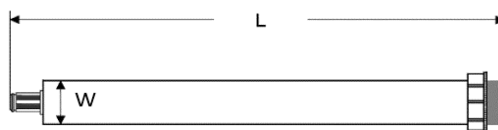
6. Technical data

Technical data	
Cable length	2,00 metres
Protection class:	IP 40
Operating temperature:	0°C to +40°C

Definition	Diame- ter D (mm)	Length L (mm)	Torque (Nm)	Rotational speed (U/min)	Voltage (V)	Power Consump- -tion (mA)	Weight (g)
EYD1624-0,3/25	17,2	242,5	0,3	25	24	300	115

- technische Änderungen vorbehalten -

Illustration of the motor:



7. Bug fixing

Problem	Possible cause	Solution
Drive does not run	Mains not or incorrectly connected	Check the wiring, supply voltage and connection types.
	Remote controller without function	Check that the battery is inserted correctly. If necessary, change to a new battery.
	Transmitter is not set up	Establish the connection between the motor and the transmitter (see 3.2).
Drive is very slow, even with charged battery	Incorrect installation	Make sure that the shaft, materials and drive can move freely.
	Overloading	Check the loaded weight.
Drive stops in-between both end positions	Adapter or roller capsule not positioned correctly	Check that the adapter is correctly seated on the groove provided in the crown and, if necessary, screw the roller capsule into the shaft with a locking screw.

8. Warranty conditions

SIRO Antriebs- und Steuerungstechnik offers a 2-year warranty on new drives that have been professionally installed and properly operated in accordance with the installation instructions. The warranty covers all design faults, material defects and manufacturing faults.

Any defects occurring within the warranty period will be remedied by SIRO free of charge by supplying an equivalent or new product. Replacement delivery for warranty reasons does not result in general extensions of the original warranty period.

Any claims for compensation beyond this are excluded.



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