



Battery Motor – Radio Drive

ERBS25LE – Series

Compatible with:

- Control Station SI7002
- Remote Controller SIS1600, SIS1602, SIS1605
- Solar Panel SI1288H
- Sun Sensor SIS1187



05-2020

1. General safety guidelines



Notes on the product

- Check the drive for intactness. 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.
- Read this manual completely before starting the installation.
- Make sure that the roller blind's tube, in which you intend to use the drive, is undamaged.
- Check that the blind can be opened and closed smoothly.
- Replace damaged parts if you find any defects.
- Inform all persons in safe use of the controls and the drive.
- Observe the blind during the operation and keep people away until the blind is fully opened or closed.
- Do not allow children to play with the control unit.

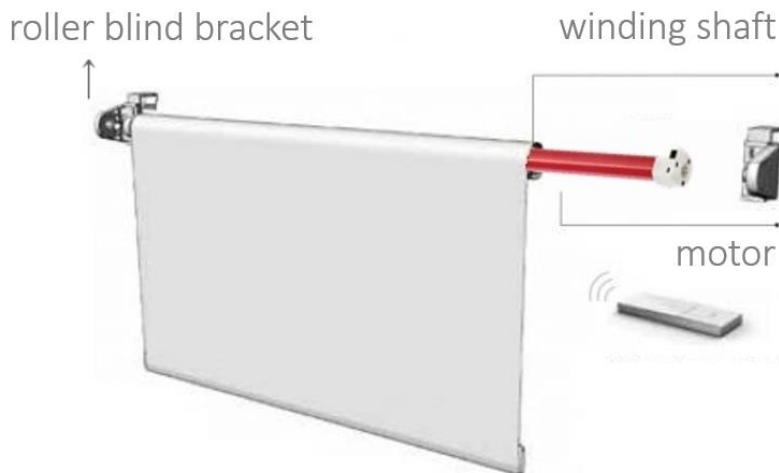


2. Installation of the motor



- 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.
- 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 drive head of the motor can be installed on the right or left side.
- During installation, make sure that the drive head can be reached at any time after installation in order to charge the drive via the external power supply.

3. 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 500 mm.
- Strong, local transmitters (e.g. radio headphones) whose transmission frequency is identical to the control (433MHz) can influence the function.
- It is recommended to fully charge the drive before the initial installation using the included micro USB charging cable (ca 2 hours). Only then will the motor reach full power.
- The engine can also be operated and programmed during charging.

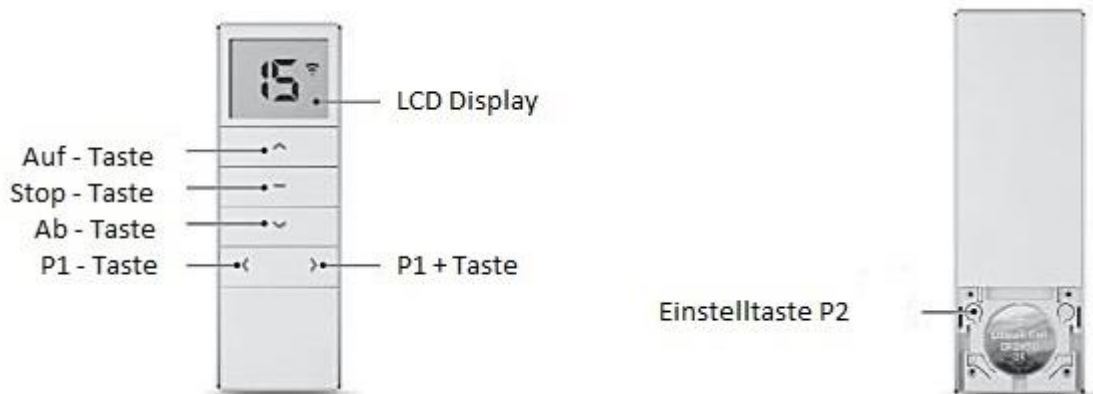
Mains connection at motor head:



4. Programming of the remote control (radio) transmitters

4.1 Check the connection between the engine and transmitter

1. First set the switch on the motor head **from 0 to 1**.
2. Test the connection between the handheld transmitter (remote controller) and the motor by pressing the **up** or **down button** to move the drive up or down. If the connection exists, please go directly to point 4.3.
3. If the motor does not move, you must first establish the connection between the motor and the transmitter.

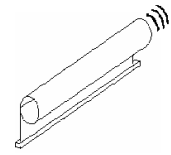
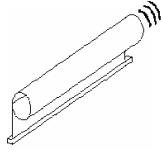


Important: For all programming, please only use the left P2 button as shown.

4.2 Establishing the connection between the motor and the remote controller

Establish connection:

learn button



1. Press and hold the **learn button** on the motor head with an object until the drive reacts only once (usually after 3 seconds) with a short up/down movement and a beep. Release the learn button immediately.

2. Specify a channel. Press and hold the **stop button** on the remote controller, up to 10 seconds, until the drive responds with two up/down movements and three 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.

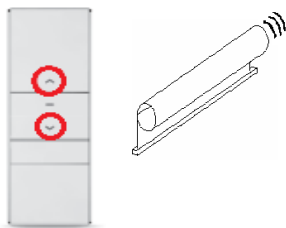
Initially, the drive moves only step by step when the **up/down button** is pressed briefly. If you press the button for a long time, the drive then moves permanently. Once the end positions have been set, the mode of operation then changes automatically to permanent mode.

Delete connection:

If the end positions are already set (**important!**), the connection between motor and remote controller can be deleted by completing the same operations as for *Establish connection*.

4.3 Check and change the direction of rotation of the drive

If the direction of rotation is reversed, the following explains how to change it.



Keep the **up** and **down buttons** pressed simultaneously until the drive reacts with short up/down movements. Release the buttons again. This changes the direction of rotation of the motor.

Important: Please note that this change must be made before setting the end positions.

5. Setting the end positions

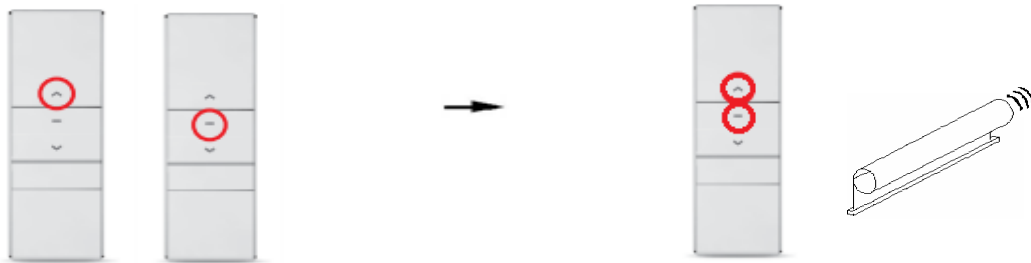


- You need to define the upper and lower end positions, when reaching these, the drive switches off automatically. To do this, the drive system must be fully inserted.
- You can choose whether to set the lower or upper end position first.
- The time between each button combination should not exceed 6 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 necessary not to parameterize the upper end position up to the stop but to leave at least 1 cm clearance!

Setting the end position: In the following, the settings of the end positions are described, starting with the upper end point. You can also start with the lower end point here.



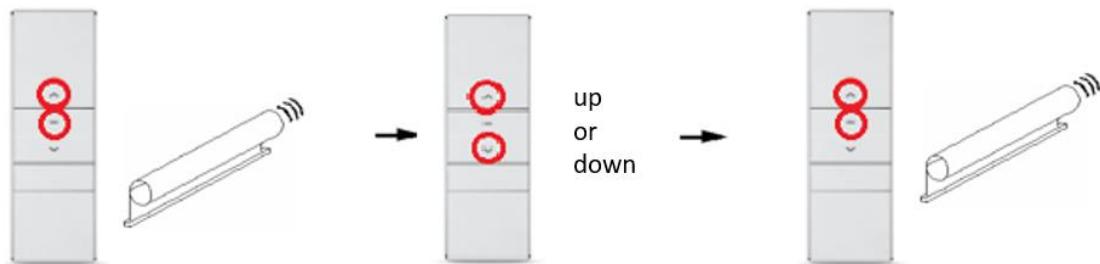
1. Press the **up button** and let the drive move upwards. Press the **stop button** when the motor has reached the desired upper end position.

2. Press and hold the **up and stop buttons** simultaneously until the motor reacts with two up/down movements and three beeps. Release the buttons again.

Thus, the upper end position is set. The setting of the lower end position is analogous by replacing the **up button** with the **down button**. If both end positions are set, the drive will automatically stop at the respective end positions during operations.

Please note that saving the setting is only effective if both end positions are set.

Changing the end position (option): The following shows how to change the upper end position.



1. Press and hold the **up and stop buttons** simultaneously until the drive reacts with a single up/down movement and a long beep. Release the buttons again.

2. Then move the drive to the new desired end position using the **up and down buttons**.

3. Press and hold the **up and stop buttons** simultaneously again until the drive reacts with two up/down movements and three beeps. Release the buttons.

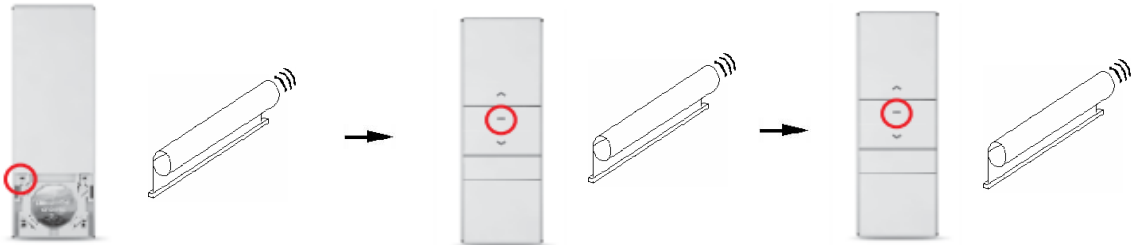
Thus, the upper end position is changed. You can also change the lower end position in the same way by replacing the **up button** with the **down button**.

6. Setting a desired middle position (optional)



- You can set a middle position of your choice as an option.
- The middle position can only be set after the two end positions have been set.

Setting the desired middle position:



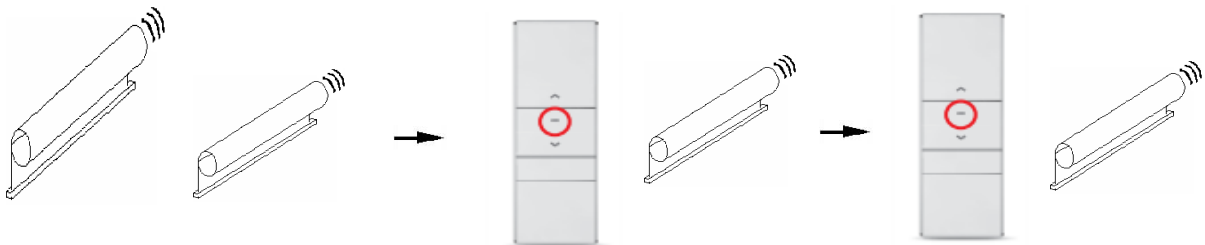
1. Move the drive to the desired middle position. Press the **P2 button** once. The drive confirms with an up/down movement and a beep.

2. Then press the **stop button** once. The drive confirms with an up/down movement and a beep.

3. Press the **stop button** again. The drive confirms with two up/down movements and three beeps.

The middle position is now set. You can move your drive to this position by pressing and holding the **stop button**.

Deleting the middle position:



1. Move the drive to the middle position. Press the **P2 button** once. The drive confirms with an up/down movement and a beep.

2. Then press the **stop button** once. The drive confirms with an up/down movement and a beep.

3. Press the **stop button** again. The drive confirms with one up/down movement and a long beep.

The middle position is hereby deleted.

7. Reset to factory settings

learn button



Press and hold the **learn button** on the motor head with an object until the drive reacts only 4 times with a short up/down movement and 4 beeps. Release the **learn button** again. The motor is now set to the factory settings. All previous connections and settings are deleted.

8. Technical data

| Technical data | |
|------------------------|--------------|
| Power supply: | USB DC 5V 2A |
| Protection class: | IP22 |
| Operating temperature: | 0°C to +50°C |

| Definition | Diameter D (mm) | Length L (mm) | Torque (Nm) | Rotational speed (U/min) | Power input (mA) | Weight (g) |
|------------|-----------------|---------------|-------------|--------------------------|------------------|------------|
| ERBS25LE | 26 | 490 | 1,1 | 28 | 940 | 435 |

9. Bug fixing

| Problem | Possible cause | Solution |
|---|--|---|
| Drive does not run | Battery weak | Charge the drive via the mains connection on the motor head with the charger. |
| | Remote controller without function | Change to a new battery. |
| | Transmitter is not set up | Establish the connection between the motor and the transmitter (see 4.2). |
| 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. |
| The end position changes marginally | Fabric changes due to temperature differences | Reset end position (see 5). |

10. 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.