230 V Radio Motors

with integrated voltage transformer

EYAS – LE Series

Compatible with:

- **Control Station SI7002**
- **Remote Controllers SIS1600, SIS1602, SIS1605**
- **Sun Sensor SIS1187**

06-2020

1. General safety guidelines

Notes on the product

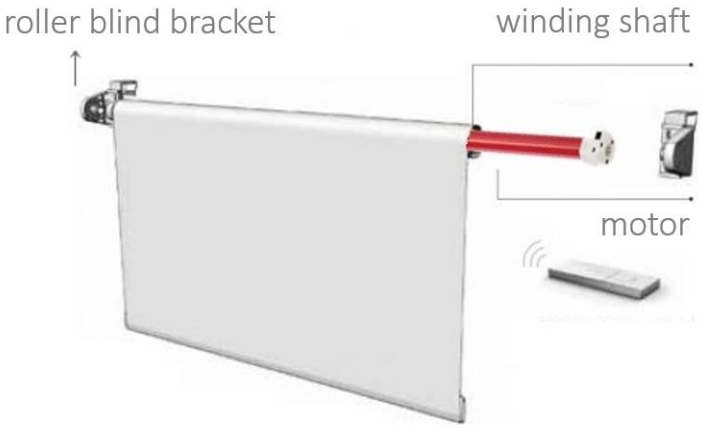
- Make sure you have received the correct drive. Compare the voltage and frequency details on the nameplate with those of the mains supply.
- Check that the drive is undamaged. Do not use the product if you discover any damage. In this case, contact the point of sale.
- Only use the drive to open and close suitable hangings.
- Read this manual completely before starting the installation.
- Make sure that the fabric shaft in which you intend to use the tubular motor is undamaged.
- Check that the curtain can be opened and closed smoothly.

- Inform all persons in safe use of the controls and the drive.
- Observe the blind during operation and keep people away until the blind is fully opened or closed.
- Do not let children play with the control unit.

2. 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.

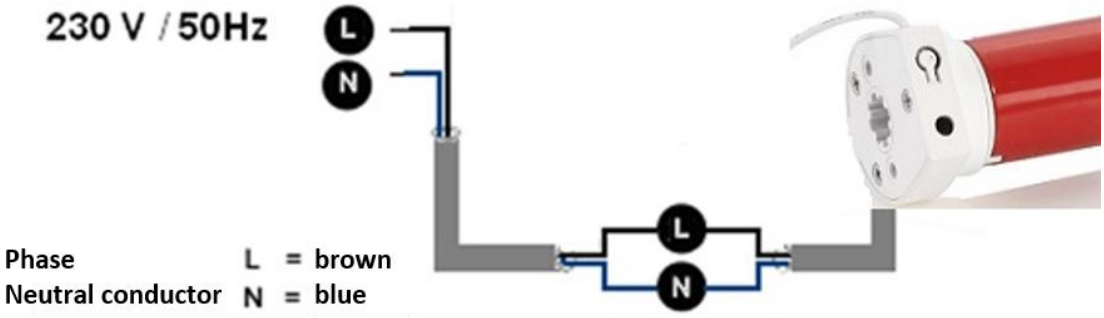
Installation



- Place the tubular motor into the roller blind's shaft.
- 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.
- 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 learn button on the drive head is always accessible even after installation, so that the drive can be reprogrammed later if necessary.

3. Electrical connection

- Connect the motor as shown here.
- 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.



You can connect any number of SIRO motors of the EYAS series directly in parallel without intermediate relays.

4. Programming the radio transmitter

4.1 Checking the connection between drive and transmitter

1. Test the connection between the remote controller and the motor by pressing the **up** or **down button** on the controller to move the drive up or down. If the connection exists, please go directly to point 4.3.
2. If the motor does not move, you must first establish the connection between the motor and the transmitter.

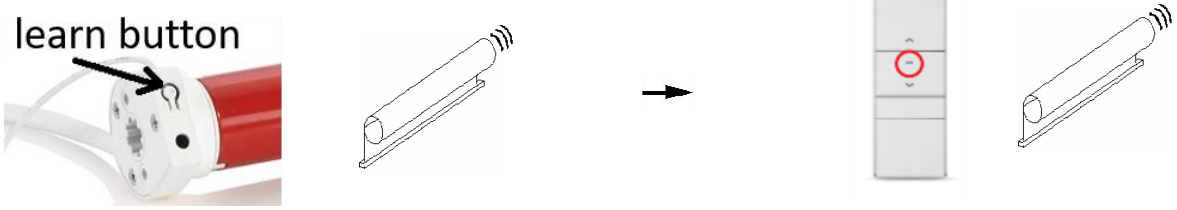
1. up button
2. stop button
3. down button

4. setting button (P2)
5. battery compartment

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

4.2 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 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 reacts with three beeps.

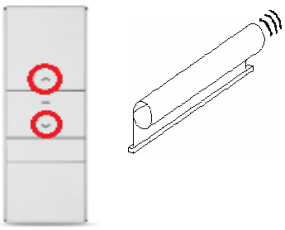
The connection from the drive to the remote controller is thus established. You can now control the drive by pressing the **up** and **down buttons** on the remote controller.

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 incorrect, you can change the direction of the drive as follows.



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.

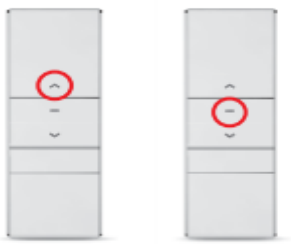
Important: Please note that this operation can only be performed if the end positions have not yet been set.

5. Setting the end positions

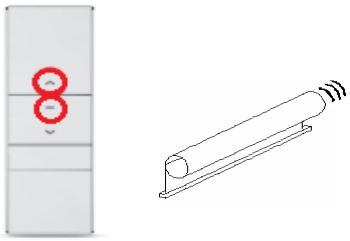
- You need to define the upper and lower end positions, when reaching these, the drive switches off automatically. To do this, the drive system must be fully inserted.
- You can choose whether to set the lower or upper end position first.
- The time between each button combination should not exceed 6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

Setting the end position: The setting of the upper end position is shown in the following. You can also start with setting the lower end point.



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

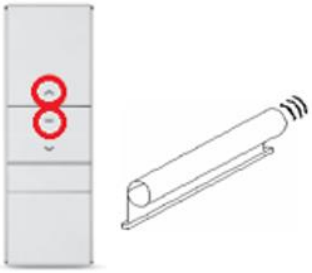


2. Press and hold the **up** and **stop buttons** simultaneously until the motor reacts with two up/down movements and three beeps. Release the buttons again.

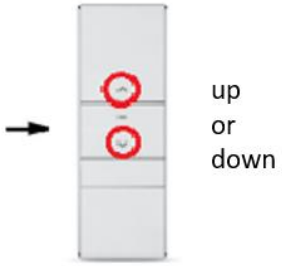
Thus, the upper end position is set. The setting of the lower end position is analogous by replacing the **up button** with the **down button**. If both end positions are set, the drive will automatically stop at the respective end positions during operations.

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

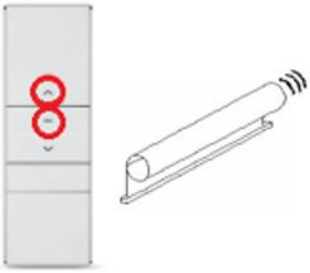
Changing the end position (option): The following shows how to change the upper end position.



1. Press and hold the **up** and **stop buttons** simultaneously until the drive reacts with a singe 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**.



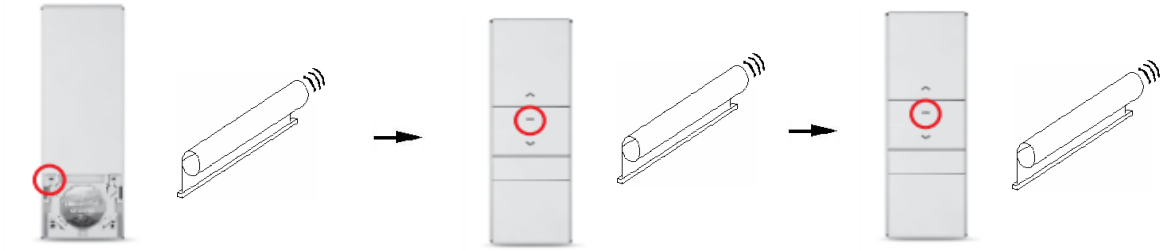
3. Press and hold the **up** and **stop buttons** simultaneously again until the drive reacts with two up/down movements and three beeps. Release the buttons.

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:



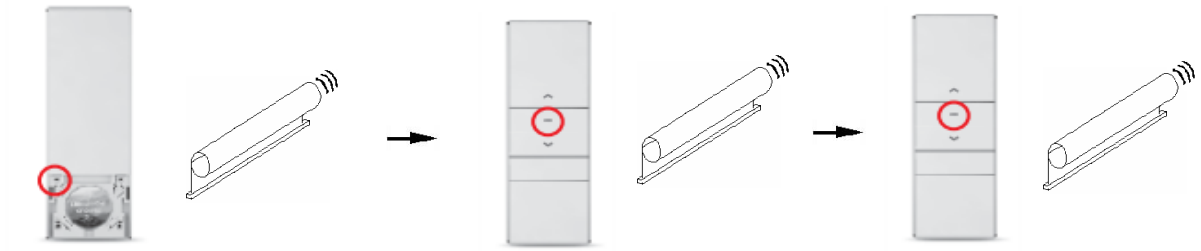
1. Move the drive to the desired middle position. Press the **P2 button** once. The drive confirms with an up/down movement and a beep.

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

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 two up/down movements and a long beep.

The middle position is hereby deleted.

7. Reset to factory settings

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:	AC220/230V
Protection class:	IP 30
Operating temperature:	0°C to +60°C

Definition	Diameter D (mm)	Length L (mm)	Torque (Nm)	Rotational speed (U/min)	Voltage (V)	Power Consump-tion (A)	Weight (g)
EYAS25LE	25	455	1,5	32	100-240	0,3	388

9. 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 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.
	Insufficient voltage	Check whether the drive is supplied with sufficient voltage.
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.