

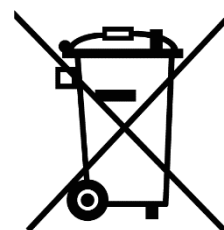


Sun Sensor

SI1187

Compatible with unidirectional SIRO drives:

- **ERB15-LE**
- **EYA25-LE**



1. General safety guidelines



- Check that the device is undamaged. Do not use the product if you discover any damage. In this case, contact the point of sale.
- Read this manual completely before starting the installation.
- Follow the relevant safety regulations, especially when used in damp rooms.
- Please take care before any work on the window pane on which you have mounted the sensor. Store the device in a place where it cannot fall down or be damaged.
- Do not allow children to play with the device.

2. Functional overview

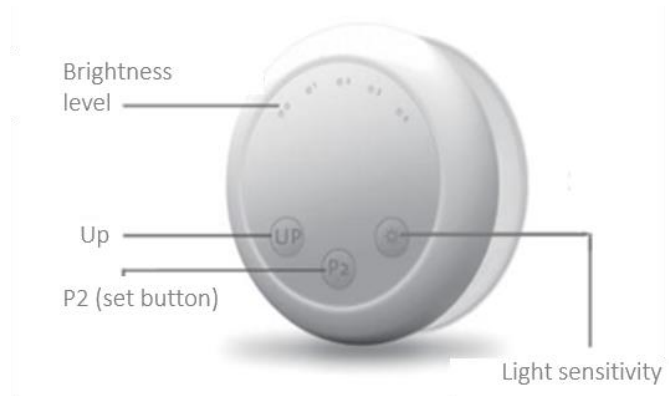
The SI1187 sun sensor enables you to control your drive depending on the brightness. If the individually set limit value is exceeded, the sensor sends a radio command to all bidirectional roller blind drives (tubular motors) of the ERBS-LE series. You can control a maximum of 2 drives with one sensor. The distance between the drive and the sun sensor should not exceed 2 meters.

The sun sensor supplies itself with power internally thanks to a battery cell and is attached to the window pane with a suction cup. The suction ring of the sun sensor must be aligned in the direction of the sun.



The sensor has 5 different brightness levels:

Light level:	Illuminance:
Level 0	under 15.000 lux
Level 1	15.000 lux
Level 2	30.000 lux
Level 3	45.000 lux
Level 4	60.000 lux



Light environment test:



1. Press and hold the **P2 button** and the **sun button** simultaneously.



2. Level 0 flashes. The light environment test continues.



3. Now the sensor shows the current light level of your

Important note: A cloudless summer day can reach up to **100,000 lux**, a cloudy sky at the same time sometimes has only **20,000 lux**. In winter, on the other hand, illuminance reaches only around **3,500 lux** during the day when the sky is overcast.

3. Establishing the connection between the sensor and the motor



- Make sure that the battery in the remote controller and in the sun sensor is inserted correctly.

The connection from the drive to the remote controller must already exist.

Establish connection:



1. Use the **channel button** to set a channel. This channel contains the drive with which you want to control using the sun sensor.

2. Press the **P2 button** on your remote controller **twice**. The drive reacts with a short up/down movement.

3. Then press the **P2 button** on the sun sensor **once**. The drive reacts with a short up/down movement.

The connection from the drive to the sun sensor is thus established.

Check the connection between the sensor and the drive:



Press the **up button** (UP) of the sensor to move the motor to the upper end position.

4. Tuning the sensors

Press the sun button to select the lighting level (1-4) at which the sensor should respond and send radio signals to control the drive.



The SI1187 sun sensor has three different modes. To determine your current mode, press the **sun button** once. The number of signals stands for the corresponding mode:

- 1 x flash : mode 1
- 2 x flashes : mode 2
- 3 x flashes : mode 3

Mode 1: The system stays down after darkening.



Select the light sensitivity level (**not "0"**) at which your roller blind should darken/roll down.

When the selected level is reached (for more than 2 minutes), the sensor sends the command to the motor - the blind moves down.

If the light radiation is again below the limit of the selected parameter, the blind will still stay down.

Mode 2: After darkening, the system starts up again when it becomes light again.



Select the light sensitivity level (**not "0"**) at which your roller blind should darken/roll down.

When the selected level is reached (for more than 2 minutes), the sensor sends the command to the motor - the blind moves down.

If the light radiation is below the limit of the selected parameter for more than 15 minutes, the sensor sends a command to the blind and the blind is opened.

Mode 3: Not used for interior sun protection systems.

You can change modes by holding down the **sun button** until it flashes five times.

Important: please note that you can only raise the blind again in the 2nd mode, this is not possible in 1st mode.

Important note:

If you are using our handheld transmitter type SIS1605 with integrated timer function, we recommend that you use the sun sensor in mode 1 only, as the sun sensor always performs a drive-up in mode 2. If you have set your timer type SIS1605 in such a way that your roller blind is to be lowered e.g. at 4:15 p.m., but the sun sensor again registers a drop-in brightness, the sun sensor will still perform a drive-up. To avoid this drive-up, so that the timer always has priority, please switch to mode 1 on the sun sensor.

5. Bug fixing

Problem	Possible cause	Solution
The sensor does not respond to the drive.	There is no connection between the drive and the sensor.	Establish the connection between the sensor and the motor (see 3.)

6. 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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