

commeo Light Send

selve



DE

Betriebsanleitung

Bitte sorgfältig aufbewahren!

EN

Operating instruction

Please keep in a safe place!

commeo



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General

The commeo Light Send permits the automatic shading by driving the shutters in dependence on the sun radiation. This function does not only protect the plants, the parquet etc., but keeps the room cool even during absence.

The optionally selectable temperature-dependent shading permits a longer stay of the sun shading, in order to be able to initially use the sun energy for warming up rooms (e.g. conservatories).

The activatable twilight function provides the closure of the shutter at the evening dusk.

The glass breakage function permits the recognition of vibrations and provides additional protection with the automatic closure of the shutter.

Safety instructions

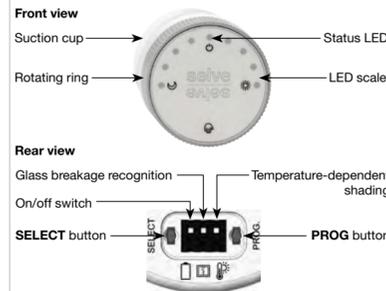
- Use in dry rooms only.
- For use with unmodified original SELVE parts only.
- Keep persons away from the systems operating range.
- Never place objects in the travel range. An automatically controlled roller shutter or sun protection system can move unexpectedly.
- Keep children away from controls.
- Always observe country-specific regulations.
- Do not use defective or damaged devices.
- Dispose of used batteries properly.
- Replace batteries with identical type (CR2450) only.
- Avoid damage of the commeo Light Send. Loosen the sensor by careful, lateral release of the vacuum at the suction cup.

Designated use

The commeo Light Send may be used to control roller shutter systems only.

- Please note that radio sets cannot be operated in areas with increased risk of interference (e.g. hospitals, airports).
- The remote control is only permitted for equipment and systems with which a malfunction in the hand-held transmitter or receiver does not present a risk to persons, animals or objects, or this risk is covered by other safety devices.
- The operator does not enjoy any protection from disturbances by other remote signalling equipment and terminal equipment.

Explanation of displays and buttons



Device position for the selection of the mode

Depending on the device position, different modes can be called up by rotating the entire device (the symbol in the top position is valid).

Rotating ring

The outer rotating ring serves for the manual operation or the setting of the light values.

LED scale/status LED

The LED scale/status LED signals the status of the manual commands or serves for the display of parameter settings.

Suction cup

The suction cup serves for the assembly to the corresponding window pane.

Glass breakage recognition

Optional activation of the glass breakage function.

On/off switch

Complete switch-off of the commeo Light Send.

Temperature-dependent shading

Activation of the temperature-dependent shading for the sun protection function.

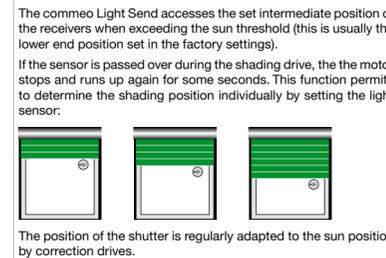
SELECT button

Button for the start of the receiver search or the selection of the receivers during the installation phase.

PROG button

Teaching or unlearning the commeo Light Send after previous selection of the receiver.

Installation/shading position



Switch on the commeo Light Send

In the delivery state, the battery of the commeo Light Send is inserted and the device is switched off. The commeo Light Send must first be switched on via the on/off switch on the rear side.

- Switch up = on
- Switch down = off

The status LED thereby supplies the transmission status of the drive command.

- Green: The radio command has been sent and all taught in receivers execute the command.
- Red: In case of a malfunction, the status LED switches from green to red.
- Orange: The status LED glows orange if no receiver is learnt in. No sequential light is displayed.

Manual operation

For a manual operation of the taught in receivers, the commeo Light Send must be in the automatic or manual mode.

A manual ascent, descent or the stopping of a drive takes place by rotating the rotating ring:

Direction of rotation

Action

Direction of rotation: Left

If the rotating ring is rotated toward the left, a descent or stop command is sent alternately: **DOWN – STOP – DOWN – STOP**

Direction of rotation: Right

If the rotating ring is rotated toward the right, an ascent or stop command is sent alternately: **UP – STOP – UP – STOP**

A manual command is shown by sequential LEDs.

Descent

Stopping

Ascent

The status LED thereby supplies the transmission status of the drive command.

- Green: The radio command has been sent and all taught in receivers execute the command.
- Red: In case of a malfunction, the status LED switches from green to red.
- Orange: The status LED glows orange if no receiver is learnt in. No sequential light is displayed.

Functions, parameter setting

The individual operations with the parameter settings corresponding to this are explained in the following. The corresponding mode is thereby reached by rotating the entire commeo Light Send.

The mode is active whose symbol is at the top.

Position

Short description

Mode: Automatic mode

The automatic symbol is in the top position. The set automatic functions are active and are executed according to the set parameters.

Manual commands with the rotating ring are possible.

Mode: Manual mode

The hand symbol is in the top position. All automatic functions are deactivated, only manual commands are possible.

Note:

The glass breakage function is also deactivated.

Mode: Setting of the sun protection function

In this position, the commeo Light Send switches to the threshold value setting of the sun protection function, or the temperature-dependent shading. The outer rotating ring is used in this position for setting the sun threshold value.

Mode: Parameter setting of the twilight function

In this position, the commeo Light Send switches to the threshold value setting of the twilight function. The outer rotating ring is used in this position for setting the twilight threshold value.

Sun protection function

When the sun protection function is activated, the currently measured light value is compared to the set sun threshold value. The sun protection function is set to half sensitivity in the factory settings.

Functioning:

If the set sun threshold value is exceeded for 3 minutes, the roller-shutter will be operated to the shading position. When the sun threshold value is lower than set for longer than 15 minutes, the sun state is terminated and the rollershutter drives back into the upper end position.

Setting of the sun threshold value

The sensitivity of the sun protection function can be set by the sun threshold value.

Rotate the entire device. The sun symbol needs to be at the top. The LEDs now display the state of the sun protection function. A deactivated sun protection function is shown by a red LED in the lower position (moon).

If the sun protection function is activated, the currently measured brightness is displayed by a green scale via the LEDs. At the same time, the currently set threshold value for the sun function is characterised by a flashing, orange LED.

The threshold value can now be increased or reduced with the help of the outer rotating ring. Please note: In case that the brightness outside rises, the scale rises synchronously to the direction of the sun symbol. For adjustment of higher sun values please turn the outer ring to the right (Direction: Sun). In case that the brightness level should be lower, turn the outer ring to the left (Direction: Moon).

Threshold value changings are shown by a short movement of the shutter. In case that the desired value is lower than the currently existing value, the shutter runs shortly down. In case of a higher value as currently existing, the shutter runs upwards for a short while.

Leave the setting mode by rotating the entire sensor to the automatic or manual position.

In case that no rotation is executed for more than 1 minute, the sensor switches to automatic mode.

Test of the function:

In case that threshold values were changed and the sensor is turned back to automatic mode, the system simulates a sun level measurement within the first minute.

Temperature-dependent shading

The temperature-dependent shading is activated by the slide switch on the rear.

- Switch up = function activated
- Switch down = function off

This function enables warming up of cool rooms (e.g. conservatories) by the sunlight before the sun protection function runs the shutters down. This function is deactivated in the factory settings. The setting of the sun threshold value remains unchanged!

Functioning:

Depending on the measured room temperature a delay in execution of the sun protection command is calculated. (Maximum delay 120 minutes). After expiration of this time frame the shutter runs down equivalent to the normal sun protection function.

Twilight function

With an activated twilight function, the currently measured light value is compared with the set threshold value for the twilight command. The twilight function is deactivated in the factory settings.

Functioning:

If the set twilight threshold value is lower than set for 3 minutes, the rollershutter runs down to the lower end position.

Note:

The next twilight command is only executed after sufficient brightness (>1000 Lux).

The threshold value can be increased or reduced with the help of the outer rotating ring. Please note: In case that the brightness outside rises, the scale rises synchronously to the direction of the sun symbol. If less brightness is existing, the scale declines to the direction of the moon symbol. In case that the commeo Light Send shall close the rollershutter later than the currently measured twilight level, turn the outer ring to the left (Direction: Moon). For earlier closing of the rollershutter turn the outer ring to the right (Direction: Sun).

Threshold value changings are shown by a short movement of the shutter. In case that the desired value is lower than the currently existing value, the shutter runs shortly down.

Leave the setting mode by rotating the entire sensor to the automatic or manual position.

In case that no rotation is executed for more than 1 minute, the sensor switches to automatic mode.

Test of the function:

In case that threshold values were changed and the sensor is turned back to automatic mode, the system simulates a sun level measurement within the first minute.

Setting the twilight threshold value

The sensitivity of the twilight function can be set individually by the twilight threshold value.

Rotate the entire device. Moon symbol needs to be at the top. The LEDs now display the state of the twilight function. A deactivated twilight function is shown by a red LED in the upper position (moon).

If the twilight function is activated, the currently measured brightness is displayed via the LED scale. At the same time, the currently set threshold value for the twilight function is characterised by a flashing, orange LED.

Glass breakage function

The glass breakage function is switched on by the slide switch on the rear side.

- Switch up = function active
- Switch down = function off

If the function is activated, an automatic descent is carried out in case of a violent vibration on the pane.

After execution of this command, the automatic functions of the rollershutter are deactivated. In order to activate the automatic mode again, please turn the rollershutter with a manual command in upwards direction.

The glass breakage function is deactivated in the factory settings.

Functioning:

If a vibration is recognised by the sensor, the rollershutter is operated to the lower end position.

Test of the function:

The activated glass breakage function can be tested by shaking the commeo Light Send.

SELVE commeo radio/programme transmitter

The commeo Light Send sends radio signals of the SELVE radio technology commeo and permits wireless operation of SELVE commeo radio receivers.

commeo is a bidirectional radio system. Successful communication between commeo Light Send and the corresponding receivers as well as the current status is displayed.

Up to maximally 32 receivers can be operated in parallel. The operating manual of the receiver must thereby be observed.

The commeo Light Send is equipped with a **SELECT** mode for the installation, which permits transmitter teaching in and out.

Activate the readiness to learn in the receiver

In order to learn the commeo Light Send in or out the receivers need to be activated.

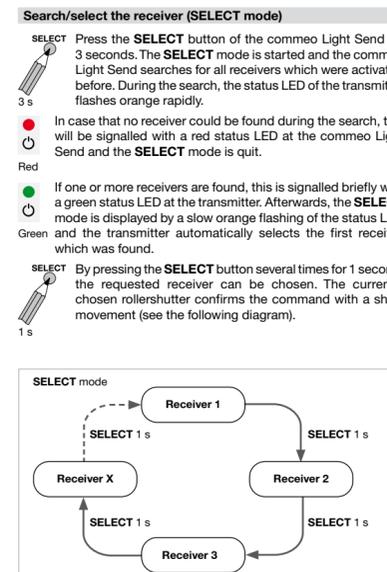
First setup/transmitter not yet taught in

Interrupt the power of the receiver for >1 second. The readiness to learn commeo transmitters in is now activated for the next 4 minutes.

Readiness to activation by an already learnt in transmitter

Alternatively an already taught in transmitter can also be used to activate learning readiness of the receiver. Select the corresponding channel at the taught in transmitter and press the **SELECT** button for 3 seconds.

The readiness of the receiver to learn in new transmitters is now also activated for 4 minutes.



Teaching the transmitter in or out

If a receiver is selected as in the section *Search/select receiver*, it can be taught in and out.

Press the **PROG** button for 1 second, in order to teach the commeo Light Send in or out. Repeated pressing provides an alternating teaching in and out.

A green status LED means that the commeo Light Send was taught in in the receiver.

A red status LED means that the commeo Light Send was learned out of the receiver.

Quit the SELECT mode

By pressing of the **SELECT** button for 3 seconds, you quit the **SELECT** mode. The status LED of the transmitter stops flashing and the transmitters is again ready for normal operation. The **SELECT** mode is deactivated automatically after 2 minutes without operation.

Delete all receivers in the commeo Light Send

In order to delete all receivers in the commeo Light Send, the **SELECT** and **PROG** button at the rear are pushed simultaneously for 9 seconds.

Changing the battery

The commeo Light Send must be opened for a battery exchange!

Step

Action

- 1. Remove the fastening screws**
Remove the two screws on the rear side of the commeo Light Send in order to loosen the lid.
- 2. Remove the lid**
The front cover is now loosened and can be removed from the rotating ring.
- 3. Exchange of the battery**
Remove the empty battery from the battery holder and replace it with a new battery type CR2450.
- 4. Insert the lid back**
Place the lid back on the housing in the correct position.
- 5. Screw the lid on**
The lid is fixed again on the rear side with the screws and the commeo Light Send is operational again.

Technical data

Battery: (3V DC) CR2450
Free field range: up to 150 m
Range in buildings: up to 15 m
Radio frequency: 868.1 MHz
Max. transmission output: 10 mW
Ambient temperature: 0 °C to +55 °C
Safety class: IP 20
Dimensions (without antenna): Ø 57 mm
height installed approx. 24 mm

Subject to change without prior notice.

Troubleshooting

Problem	Cause	Solution
The shutter does not run, the LEDs stay off	The commeo Light Send is not switched on The battery in the transmitter is empty The battery is inserted incorrectly	Switch on the commeo Light Send Insert a new battery Insert the battery correctly
The shutter does not drive, the LEDs glow	The commeo Light Send is outside of the radio range (also see status display)	Reduce the distance to the receiver
The shutter does not drive down when there is sunshine	The commeo Light Send is not taught in in the receiver The sun threshold value is not exceeded Temperature-dependent shading provides a corresponding delay	Teach in the commeo Light Send Adapt the sun threshold value Adapt the sun threshold value
The commeo Light Send does not carry out any automatic drive commands	The commeo Light Send is in the manual mode	Rotate the commeo Light Send into the correct position (automatic mode)
The shutter is at the lower end limit and does not carry out any automatic drive commands	The glass breakage function was triggered	Open the shutter by a manual command; after the manual command automatic mode is activated again

Disposal of the device

Disposal of the device

Do not dispose of the device in domestic waste!

The laws and standards of the country must be adhered to for the disposal of the device and it must be disposed of through the local collection points for old electronics devices!

The device contains electrical components which must be disposed of as electronics scrap. The housing consists of recyclable plastic.

General declaration of conformity

General declaration of conformity

SELVE GmbH & CO. KG company, hereby declares that the commeo Light Send is in conformity with the basic requirements and other relevant provisions of the Directive 2014/53/EU. The declaration of conformity can be looked up at www.selve.de.

SELVE Service Hotline

SELVE Service Hotline

- Hotline: Phone +49 2351 925-299
- Download the operating manuals at www.selve.de or QR scan

