$C\epsilon$ 0682

GB **Operating instructions**
Please take care of the operating instructions!

SG·S SILENTGLISS SPARES
SILENTGLISS SYSTEMS
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Nr. 18 100.6201/0205

Contents

Safety instructions

Warning!

Important safety advises!

- Use only in dry rooms.
- Only use unmodified original **elero**-electrical parts.
- Keep persons away from the operating range of the systems.
- Keep children away from the controls.
- Follow the relevant country-specific regulations.
- Dispose of used batteries properly. Replace batteries only with batteries of the identical type (CR 2032).
- If one or more transmitter are used for controlling the system, the operating range must stay visible during operation.
- The device contains swallowable small parts.

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Explanation of buttons and display

Both buttons simultaneously:
Manual-/automatic switch
TEST-Mode

Threshold controller for sunlight

Threshold controller
for twilight

Indicator lamp

UP-/STOP-Button

CR2032
3V

Battery

DOWN-/STOP-
Button

Code switch

Programming
button **P**

Glass breakage sensor
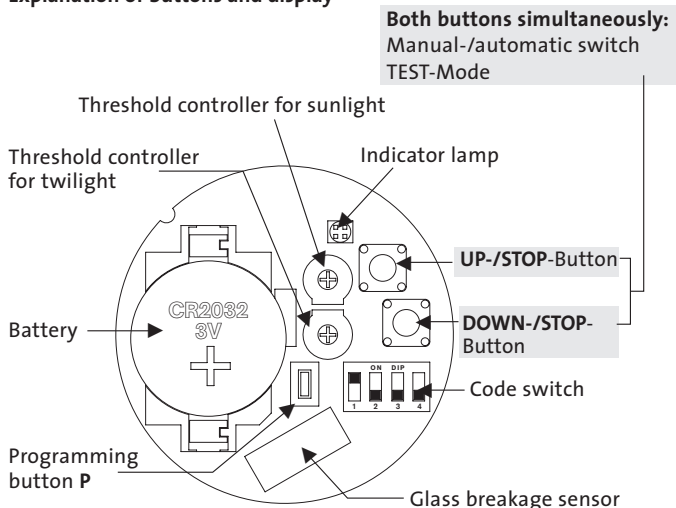
1. **Upper position**
   Sun function on
   Lower position
   Sun function off

3. **Upper position**
   Glass breakage function on
   Lower position
   Glass breakage function off

2. **Upper position**
   Twilight function on
   Lower position
   Twilight function off

4. **Upper position**
   Setting mode of threshold values on
   Lower position
   Setting mode of threshold values off

Accessories: Tool for the adjustment of the threshold controller

General information

The Lumo-868, which is easy to install, regulates your roller shutter according to the given threshold values for sun and or twilight. In addition to that, a glass breakage sensor is located within the device.

A manual use of the Lumo-868 is possible at any given time.

Intended use

The Lumo-868 may **only** be used for controlling roller shutter or sun protection devices.

• Please ensure that the radio installations are not operated in areas of heightened possible interference. (e.g. hospitals, airports ...).

• The remote control is only approved for devices and systems for which any malfunction of the manual transmitter or receiver would not result in a risk for persons, animals or property, or if such a risk is covered by other safety devices.

• The operator has no protection whatsoever from interferences by other radio emitters and local terminals (e.g. also from radio installations), that are normally used on the same frequency range.

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Advice: Radio systems, which operate on the same frequency, can lead interferences.

Please note, that the range of the radio signal is limited by the government and the built environment.

Installation notes

Before installing the unit at the required position, check the proper function of the transmitter and the receiver.
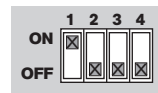
Opening the Lumo-868

1. Turn the housing cover (2 mm) in a clockwise direction.

Closing the Lumo-868

1. Make sure that the engaging hook and reception is in the correct position when you close the cover.

2. Place the housing cover on the device and turn it (2 mm) in a **counter**-clockwise direction.

Code switch setting:

	1	2	3	4
ON	☒			
OFF		☒	☒	☒

1. **Upper position**   Sun function on

2. **Lower position**   Twilight function off

3. **Lower position**   Glass breakage function off

4. **Lower position**   Setting mode off

Function of the Lumo-868

Through the Lumo-868 you have the possibility to protect your plants and your furniture against strong sunlight. If the sun threshold value is exceeded, the roller shutter is automatically lowered until the Lumo-868 is shaded, it is stopped and the light sensor is open again.

Manual-/automatic function

With the manual-/automatic function, the automatic travel commands (for example sun protection function, twilight function) can be turned off.
Press both buttons (**UP-** and **DOWN-**) **simultaneously** for interrogating the mode. The light-emitting diode lights up. Then, press buttons briefly (**UP** and **DOWN** button) while the LED is on for changing the mode.

In the manual operation the indicator lamp will shine red for a short time.
In the automatic operation the indicator lamp will shine green for a short time.

Indicator lamp

A travel command will be signalised through the lighting of the indicator lamp.

Green: Upward travel
Rde: Stop
Yellow: Downward travel

If the performance of the battery is reduced, the indicator lamp slowly lose their illuminative capacity.
The transmitting power or the range of transmission will be reduced through the reduction in the performance of the battery. If the indicator lamp no longer illuminate upon pressing the buttons, the batteries have to be replaced.

Glass breakage sensor

If a window is broken, all switching commands of the control unit will be blocked.
The manual operation is possible at any time.
Through the inclination of the Lumo-868, you can adjust the sensitivity of the glass breakage sensor.

In order to achieve a medium sensitivity of the glass breakage sensor, mount the sensor in such a way as to position the edge of the Lumo-868 horizontally with respect to your window sill.

Please also note the position of the DIP-switch on the circuit board. In the factory, the glass breakage function was deactivated.

Programming the transmitter/channel

Precondition: A receiver starting from manufacture date 06/2004 must be installed.

1. With electrical, previously installed receivers, turn the safety fuse off and after a few seconds on again.
    The drive is now in the programming mode for approximately 5 minutes.

2. Stand in front of the roller shutter with the manual transmitter.

3. Open the cover in the front and press the programming button **P quickly**.
    The roller shutter will automatically go up and down slightly for approximately 2 minutes.

4. In order to define the function of the buttons, press the **UP**-button of the Lumo-868 directly after the start of a upward travel (1 second).
    The blind stops briefly and then carries out an up travel.
    Press the **DOWN**-button of the Lumo-868 immediately after the start of a downward travel.
   The blind stops briefly.
    Your Lumo-868 is now programmed.

Setting mode

In the setting mode, you can align the sun and twilight threshold levels using the indicator lamp.

Note: Please observe that the values are only approximative values.

Adjust the code switch as follows:

Sun protection function

Note: Please set the SIP switch 2 (twilight function) on OFF during the adjustment.
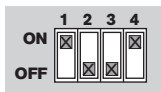
The sun threshold controller is preset to a mean value.

The sun threshold controller can be adjusted, using the enclosed tools, from thickly clouded (left limit stop) to direct sunshine.

The threshold levels will be indicated through the following indicator lamp.

Indicator lamp	Green (activated)	Red (deactivated)	Yellow
Sun protection function	Threshold value over the actual value	Threshold value below the actual value	Threshold value is identical to the actual value

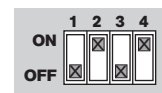Sun threshold value over the actual value for longer than 3 minutes? → The roller shutter goes down.

Sun threshold value below the actual value for longer than 15 minutes? → The roller shutter goes up.

Twilight function

Note: Please set the DIP switch 1 (sun function) on OFF during the adjustment.

The twilight threshold value can be adjusted from darkness (left limit stop) until early dawn.

Is the twilight threshold value below the actual value?
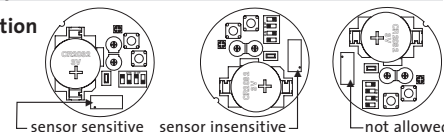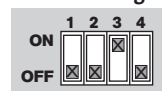→ The roller shutter goes down.
The roller shutter will not automatically go back in the **UP**-position. The blind has to carry out an up travel through a manual command with the UP button on the Lumo-868, through a timer or through another programmed transmitter.

Indicator lamp	Green (activated)	Red (deactivated)	Yellow
Twilight function	Threshold value below the actual value	Threshold value over the actual value	Threshold value is identical to the actual value

Twilight thershold below the actual value for longer than 10 minutes? → The roller shutter goes down.

**Advice:** The twilight function on the code switch 2 was turned off at the factory.

Glass breakage function


sensor sensitive   sensor insensitive   not allowed

When a window is subject to vibrations, the glass breakage sensor is activated and the roller shutter goes down into the lowest position.

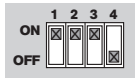**Advice:** The glass breakage function on the code switch 3 was turned off at the factory.

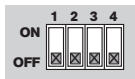**The following operating modes are possible:**
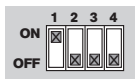
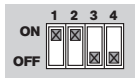Sun function activated twilight-/glassfunction deactivated
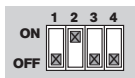
Twilight function activated
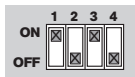Sun-/glass funktion deactivated

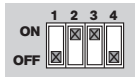Sun-/twilight-/glass breakage function activated

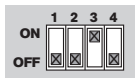Sun-/twilight-/glass breakage function deactivated

Sun-/twilight function activated/glass breakage function deactivated

Sun-/glass breakage function activated/twilight function deactivated

Twilight-/glass breakage function activated/sun function deactivated

Glass breakage function activated/
sun-/twilight function deactivated

TEST mode

In this mode you can test the **Lumo-868**. In the TEST mode, the time interval for the shading function is reduced from minutes to seconds.

1. Press the UP and DOWN buttons until the indicator lamp flashes green 3 times.
   Now the TEST mode has been activated for 5 minutes.

Technical data

Rated voltage	3 V DC
Battery type (Lifetime approx. 2 years)	CR 2032
Protection class	IP 20
Permitted ambient temperature	0 to +55 °C
Radio frequency	868,3 MHz

The maximum sending range within a building is up to 10 m.

Changing the battery

1. Take the housing cover off.

2. Remove the battery.

3. Insert a new battery correctly.

Place the battery under both metal hooks.

4. Close the housing cover.

Cleaning

Clean the device with a damp cloth only. Do not use cleaning solutions, as these may damage the plastic.

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Notes on troubleshooting

Fault	Cause	Remedy
The drive does not run , the indicator lamp doesn't light up.	1. The battery is empty. 2. The battery is incorrectly installed.	1. Install a new battery. 2. Install the battery correctly.
The drive does not run, the indicator lamp lights up.	1. The receiver is outside of sending range. 2. The receiver is not pro-grammed to respond to the Lumo-868.	1. Reduce the distance between the trans-mitter and receiver. 2. Program the Lumo-868.
The indicator lamp constantly flashes.	The code switches for SUN and TWILIGHT are simultaneously activated in the SETTING mode.	Check the operating modes.
The roller shutter doesn't function in response to sunshine.	1. The Lumo-868 is in manual mode. 2. The threshold for sunshine has not been exceeded.	1. Press the **UP** and **DOWN** buttons simultaneously, until the indicator lamp lights up in green. 2. Regulate the threshold for sunshine.

General conformity declaration:

Herewith the company elero GmbH declares that the Lumo-868 device satisfies the basic requirements and other relevant regulations of the 1999/5/EU guidelines.