

Revio-868 SW
No. 28 415 0006

e l e r o
Sun Shading Solutions **Nice**



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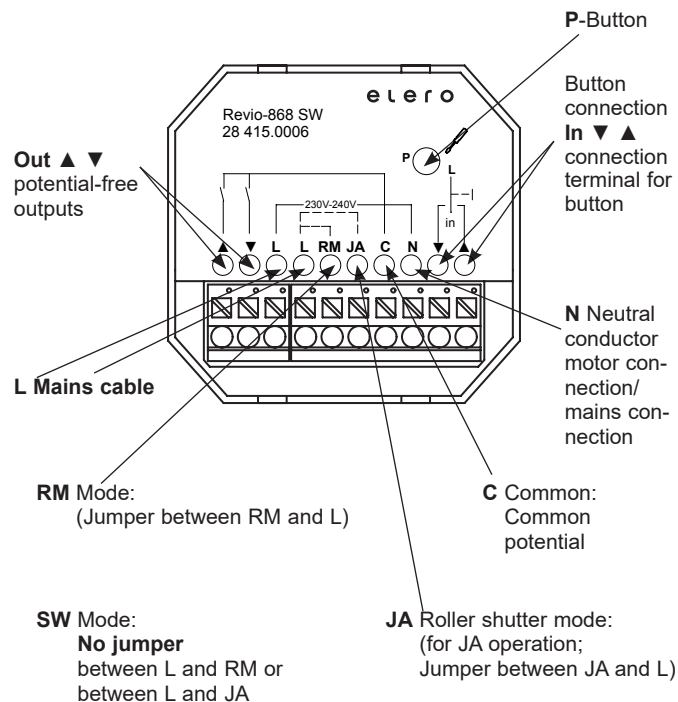
Operating instructions (translation)

Keep the operating instructions in a safe place!


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Device explanation



Safety Instructions / Exclusion of Liability

	STOP!
	<p>Observance of the operating instructions is the prerequisite for disturbance-free operation and entitlement for claims related to defects.</p> <ul style="list-style-type: none">• Therefore, first read the operating instructions before you use the device!• Ensure that the operating instructions are available to the user in legible form.• The operator must ensure that the basic safety measures are observed and fulfilled.• The operator must have completely read and understood the operating instructions.


Exclusion of liability:

It is essential to observe these operating instructions for use if the Revio-868 SW is to be used safely and if the various product characteristics and performance features are to be achieved.

elero GmbH assumes no liability for personal injuries, property damages and financial losses that arise from non-observance of the operating instructions.

Liability for material defects is excluded in such cases.

Safety Instructions

	CAUTION!
	<p>Observe the following safety instructions. Failure to observe them can lead to bodily injuries!</p> <p>General</p> <ul style="list-style-type: none">• Never install or use damaged products.• Only use unmodified original elero parts• If the device is opened without permission or used in an improper manner, or if it is incorrectly installed or operated, there is a risk of damage to persons and property.• The device contains small parts which can be swallowed. <p>Installation</p> <ul style="list-style-type: none">• All installation work must be carried out by a electrician.• This electrician must be suitably qualified.• Observe any country-specific conditions when installing the device.• The device may only be used by persons who have read and understood the operating instructions. <p>Operation</p> <ul style="list-style-type: none">• Use only in dry rooms.• If one or more transmitters are used for controlling the system, its operating range must stay visible during operation.• Keep children away from the controls.

Scope of Delivery / General Intended use

Scope of delivery

Revio-868 SW
Operating instructions

General information

The Revio-868 SW is an flush mounted radio receiver. It is suitable for control of 230 V-roller shutter, awning, Venetian blind drives and for any switchable consumers at 230 V AC supply voltage.

Intended use

The radio recipient must only be used to control 230 Volt roller shutter, awning, Venetian blinds, for lighting facilities and for any switchable electrical consumers with 230 V AC supply voltage that are equipped with elero drives or that have been released by **elero**.

Other use, or use beyond this is not considered to be use for intended purpose.

Third-party devices should only be connected after consultation with specialised trade.

The Revio-868 SW must not be operated with the separating relay.

elero GmbH shall not be liable for damage caused by:

- Other use than described above
- Changes to the device
- Improper use

Please see the technical data contained in these operating instructions.


Notes on Radio Operation



CAUTION!	
	<p>Observe the following safety instructions for radio operation!</p> <p>Only use radio systems if they are allowed and can be operated without interference.</p> <ul style="list-style-type: none">• Please note that radio systems must not be operated in areas with an increased risk of interference (e.g. hospitals, airports, ...).• Remote control is permitted only for devices and equipment for which a malfunction of the transmitter or receiver does not give rise to a hazard to persons, animals or objects or where this safety risk is covered by other safety equipment.




Installation / Connection

Installation and connection

	NOTE!
	<p>Before installation in the required assembly position, check that the transmitter and receiver are functioning properly.</p> <p>The flush-mounted socket has to be fixed so that the drill hole does not touch any electrical lines.</p>

Connection

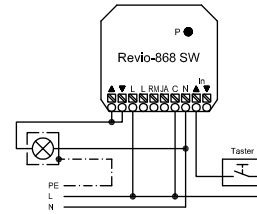
You can find the structure of a controller on elero.de in the download area under "Installation instructions and circuit diagrams".

 	WARNING!
	<p>Risk of injury due to electrocution!</p> <ul style="list-style-type: none"> • The connection must only be made by an authorized specialist! • The device only offers protection against touch by the back of the hand, no protection against accidental contact. • Do not kink, shorten or extend the aerial. • Only operate the learning button P with insulated tools (4 kV voltage protection). • Note the switching current of the device.
	PREREQUISITE!
	Flush-mounted socket Ø 58 mm, 60 mm deep.

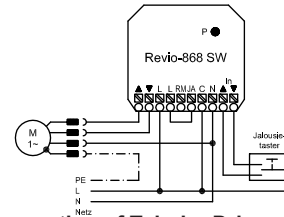
Connection

1. Place the Revio-868 SW in the socket.
2. Connect the stripped cable ends without connector sleeves as follows:

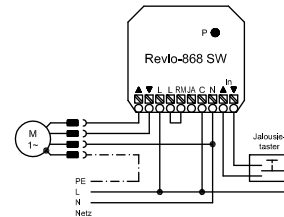
Connection of Operating Mode SW: Tubular drive or electrical consumer



Connection of Venetian Blind Drive



Connection of Tubular Drive




Best Use of the Radio Signal

Direction Assignment of the Outputs

Optimal use of the radio signal

- Do not kink the aerial.
- Do not shorten or extend the aerial.
- If reception is poor, adjust the antenna position.
- Install the antenna so that it is as exposed as possible.
- Antenna is not to rest on metal.

	NOTE!
	Radio systems, which operate on the same frequency, can lead to reception of interferences. Please note, that the range of the radio signal is limited by the government and the built environment.

Direction Assignment of the Outputs

After the drive is connected, check the direction assignment of the outputs.

The first automatic run in programming mode must take place in the UP or retraction direction.

If this is not the case, swap the connections at the outputs.

Explanation

Out ▲ ▼ connection terminal for drive/lighting facility/other electrical consumers

The outputs are intended for the connection of a drive, lighting facility or other electrical consumer.

The arrows indicate the running direction of the drive or the switching of the output regarding the direction button of the transmitter.

▲ Retract connection for hanging

▼ Extend connection for hanging

When connecting a Venetian blind or a tubular motor, the running direction of the hanging is to match the icons ▲ ▼.

For connection of a lighting facility or other electric consumer, the two terminals can be connected to each other so that the load can be switched on with the UP button as well as the DOWN button and is switched off with the STOP button.

IN ▼ ▲ connection terminal for button

Connection terminals for a Venetian blind button, which corresponds to a mutually locked button. A button push of less than 300 ms (millisecond) at the external venetian blind button leads to a stop. If a button is pushed for an extended period, a running movement is started according to those of the operating mode of the Revio-868 SW.

Operating Modes

Operating mode SW: no jumper (electrical consumer)

Function: Activation times of the UP/DOWN outputs are not limited, i.e. the relays do not switch off on their own.

- Output switches to self-maintenance at once with the UP/DOWN button
- Automatic turn at the end of the run if the shading position and the turning position is defined.

Operating Modes

Operating Mode RM: Jumper between RM and L

If a jumper is used between RM and L, the Revio-868 SW is in the roller shutter/awning drive mode.

When operated via radio or connected button, the output is switched off for 300 seconds, so that the roller shutter/awning system can run its entire path.

Operating Mode JA: Jumper between JA and L

If a jumper is used between JA and L, the Revio-868 SW is in the Venetian blind drive mode.

When operated via the radio or the connected button for less than 3 seconds, a Venetian blind system can be controlled in stepping mode. If the button is pushed for more than 3 seconds, the output is switched on for 300 seconds, so that the Venetian blind system can run its entire path.

Operating Modes

Change of the operating mode

A change between the operating modes SW / RM / JA is only possible with the Revio-868 SW deleted completely after restart. The following procedure must be complied with to change the operating mode:


1. Delete Revio-868 SW completely: At a programmed transmitter, pushed the buttons **UP**, **DOWN**, **STOP** and **P** for at least 6 seconds.
2. Disconnect Revio-868 SW from the supply voltage.
3. Insert jumper depending on operating mode.
4. Connect Revio-868 SW to the supply voltage.
5. Programme desired transmitter(s)

P button

Pushing the P-button for at least 1 second and re-establishing of the mains starts the Revio-868 SW and it is then ready for programming for 5 minutes.

Commissioning

(connection of a tubular or Venetian blind motor)

	PREREQUISITE!
	The Revio-868 SW is installed (→ see chapter on connection of RM/JA) The end positions must be set.

Any jumpers for Venetian blind or tubular drive that must be wired must be wired before programming of transmitters.

1. When the power supply is restored **or by pressing the P-button (min. 5 Sec) on the Revio-868 SW, the device is ready to programme for 5 minutes.**
2. Program the transmitter (→ see transmitter instructions).

Technical Data

Programming further transmitters

→ see transmitter instructions

With multi-channel transmitters, it is not possible to use the central channel.

Programme positions

→ see transmitter instructions

Approach positions

→ see transmitter instructions

Deleting positions/deleting transmitters

→ see transmitter instructions

Technical Data

Nominal voltage	230 to 240 V AC / 50 to 60 Hz
Switching current	3 A
Standby	0.6 W
Protection type	IP20
Permitted ambient temperature	0 to 50 °C
Radio frequency	868 MHz frequency band
Type of mounting	Concealed socket Ø 58 mm, depth 60 mm. Surface-mounted in corresponding housing
Dimensions	L 50 x W 48 x H 27 mm
Maximum number of transmitters	16 transmitters

Troubleshooting / Declaration of Conformity

Disposal

Dispose of the device according to the current electrical waste disposal regulations of the country concerned (e.g. suitable collection points).

Notes on Troubleshooting

Fault	Cause	Remedy
Drive does not run	False connection	Check connection.
Drive operates in the wrong direction	<ul style="list-style-type: none">• Directions are incorrectly programmed.• Connections ▲ and ▼ are swapped	<ul style="list-style-type: none">• Delete transmitter and program correctly.• Swap connections ▲ and ▼
No radio reception	<ul style="list-style-type: none">• Transmitter is not programmed• No mains voltage	<ul style="list-style-type: none">• Programming the transmitter• Switch on power supply.
Bad radio reception	Aerial or receiver in unfavourable position.	Change position of receiver or aerial.

Declaration of conformity

elero GmbH hereby declares that the Revio-868 SW complies with the basic prerequisites and the other relevant provisions of the EC directives. The complete declaration of conformity can be found in the download area of our website.

We reserve the right to make technical changes