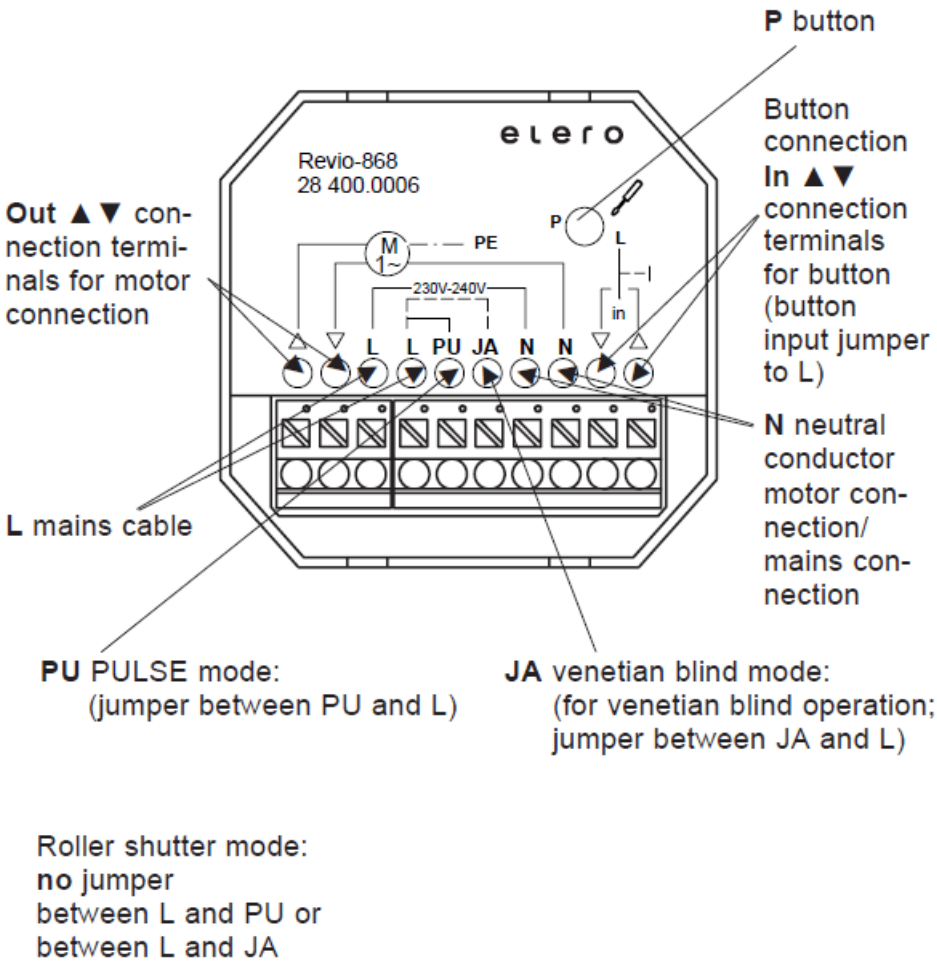
elero Revio-868 Built-in Radio Receiver Instruction Manual

Contents

elero Revio-868 Built-in Radio Receiver Instruction

Device explanation



Roller shutter mode:
no jumper
between L and PU or
between L and JA

Safety instructions / Exclusion of liability

STOP
Observance of the operating instructions is the prerequisite for disturbance-free operation and entitlement for claims related to defects

- 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/-915 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.

CAUTION

Observe the following safety instructions. Failure to observe them can lead to bodily injuries

General

- Never install or commission devices which are damaged.
- 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.

Installation

- All installation work must be carried out by an 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.

Operation

- Use only in dry rooms.
- If one or more transmitters are used for controlling the system, then the system must be visible during operation.
- Keep children away from the control units.

Scope of supply / General information / Intended use

Scope of supply
Revio-868/-915 Operating instructions

General information
The Revio-868/-915 is a flush-mounted radio receiver. It is suitable for the operation of 230 V drives for roller shutters, awnings and venetian blinds.

Intended use
The radio receiver may be used exclusively for the control of roller shutters, sun protection systems and venetian blinds fitted with elero drives. Other use, or use beyond this is not considered to be use for intended purpose. Devices from other manufacturers must be connected after consultation with a specialist. The Revio-868/-915 must not be operated with isolating relays.

Exclusion of liability

elero GmbH is not liable for damage arising from

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

Please see the technical data contained in these operating instructions.

Instructions for radio operation

CAUTION

Observe the following safety instructions for radio operation! Only use radio systems if they are allowed and can be operated without interference.

- Please note that radio systems must not be operated in areas with an increased risk of interference (e.g. hospitals, airports, …).
- The remote control is only approved for devices and systems for which any malfunction of the transmitter or receiver would not result in a risk for persons, animals or property, or if such a risk is covered by other safety equipment.

Installation / Connection

Installation and connection


NOTE
Before installation in the required position, check that the transmitter and receiver are functioning properly. The flush-mounted housing hast to be fixed so that the drill hole does not touch any electrical lines.

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

WARNING


Risk of injury due to electrocution

- Electrical connection must be carried out by a qualified electrician!
- The device offers protection to the back of the hand, but no protection against deliberate contact with a body part.
- Do not bend, shorten or extend the antenna.
- Use an insulated tool to operate the programming button P (insulation strength 4 kV).
- Observe the switching current of the device.

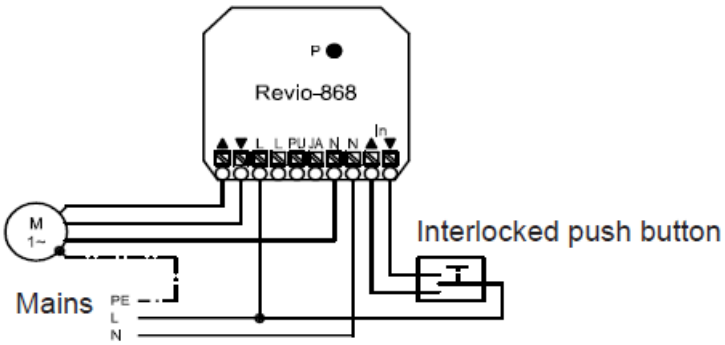
PREREQUISITE

Flush-mounted housing, Ø 58, depth 60 mm.

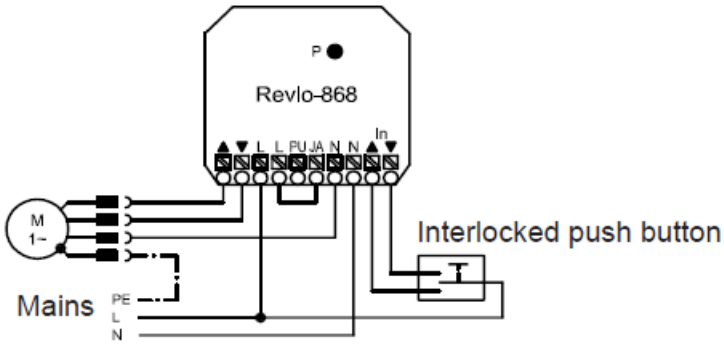
Connection

1. Install the Revio-868/-915 in the housing.
2. Connect the stripped wires without end sleeves as follows

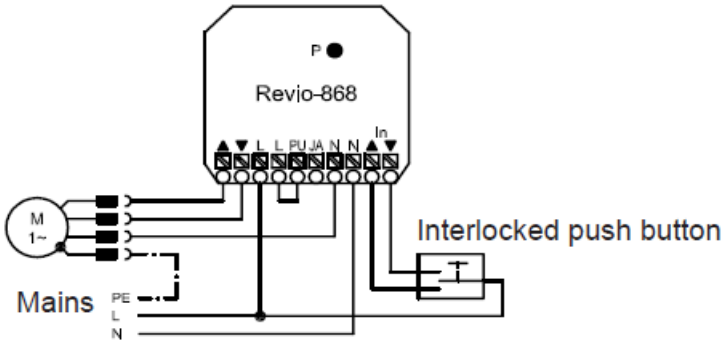
Tubular motor connection



Venetian blind drive connection



Venetian blind in pulse mode



Optimal use of the radio signal / Senses of rotation – device outputs

Optimal use of the radio signal

- Do not bend the antenna.
- Do not shorten or extend the antenna.
- If reception is poor, change the position of the antenna.
- Position the antenna for best reception.
- It is important that the antenna does not lie against metal.
- Using a number of receivers may cause interference.

NOTE

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

Senses of rotation – device outputs

After connecting the drive, check the senses of rotation compared to the device outputs. The first automatic movement in the programming mode must be in the UP/retract direction. If this is not the case, please reverse the output connections.

Explanations

Out ▲▼ connection terminals for motor connection The outputs are intended for the connection of the drive. The arrows on the device show the sense of rotation of the drive.

Venetian blind jumper between JA and L

If you install a jumper between L and the terminal JA, you can control a venetian blind in momentary mode using the Revio-868/ -915. However, if you press a button for longer than 3 seconds, the Revio-868/-915 operates in maintained mode.

Jumper between PU and L

The Revio-868/-915 can be used for precise tilting of venetian blind slats in combination with a venetian blind drive. The Revio-868/-915 has a pulse mode for this purpose. This means that the drive is operated for the pulse

duration when the button on the transmitter is pressed briefly. The standard pulse duration can be modified using the transmitter.

In ▲▼ connection terminals for button

It is possible to connect a button/an interlocked push button to the In ▲▼ connection terminals in order to control the Revio-868/-915. This means that the Revio-868/-915 can also be used without radio control. If the Revio-868/-915 is used to control a drive, a movement is started by pressing a button for a longer time (at least 1.8 s). The movement stops when you press one of the buttons briefly. Button press < 300 milliseconds: STOP.

P button

An interruption of the power supply is simulated by pressing the P button (required for programming the transmitter).

Programming the transmitter / channel

Commissioning (connecting a tubular motor or a venetian blind drive)

PREREQUISITE! The Revio-868/-915 is installed. (→ see chapter Connection RM/JA) The end positions must be set.

The jumpers (tubular motor/venetian blind drive connection/venetian blind in pulse mode) must be installed before programming of the transmitters

1. After restoration of power or by pressing the P button (at least 5 s), the Revio-868/-915 is in programming mode for 5 minutes.
2. Programme the transmitter (→ see transmitter instructions).

Programming additional transmitters
→ see transmitter instructions
Programming positions
→ see transmitter instructions
Approaching positions
→ see transmitter instructions
Deleting positions/deleting transmitters
→ see transmitter instructions

Disposal
Dispose of the device as specified by national regulations for disposal of electronic waste (e.g. suitable collection points).

Technical data / Disposal / Notes on troubleshooting

Technical data

Nominal voltage	230 – 240 V AC / 50 to 60 Hz
Switching current	3 A
IP Code	IP 20
Permitted ambient temperature	0 to 55 °C
Radio frequency	869,525 MHz
Transmission power	≤ 500 mW
Type of installation	Flush-mounted housing, Ø 58 mm, depth 60 mm. Corresponding surface-mounted housing
Dimensions	L 50 x W 48 x H 27 mm
Maximum number of transmitters	16 transmitters
Conformity	

Notes on troubleshooting

Fault	Cause	Remedy
Drive does not run	Wrong connection	Check connection
Drive runs in the wrong direction	Directions are incor- rectly programm ed	Delete transmitter and programme correctly
No radio reception	• Transmitter is not programmed • No power supply	• Programme the transmitter • Switch on power supply
Bad radio reception	Unfavourable position of the antenna /receiver	Change the posi- tion of the antenna/ receiver

EU Declaration of Conformity

Declaration of conformity

elero GmbH hereby declares that the radio system type Revio-868 is in compliance with directive 2014/53/EU. The complete text of the EU declaration of conformity is available at the follo – wing adress: **www.elero.com/downloads/**

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Documents / Resources

	elero Revio-868 Built-in Radio Receiver [pdf] Instruction Manual Revio-868 Built-in Radio Receiver, Revio-868, Built-in Radio Receiver, Radio Receiver, Receiver

References

- Drive and control technology worldwide
- Drive and control technology worldwide
- Downloads