

UniTec-868, UniTec-915
Nr. 28 330 0006, Nr. 28 330 0906

e l e r o



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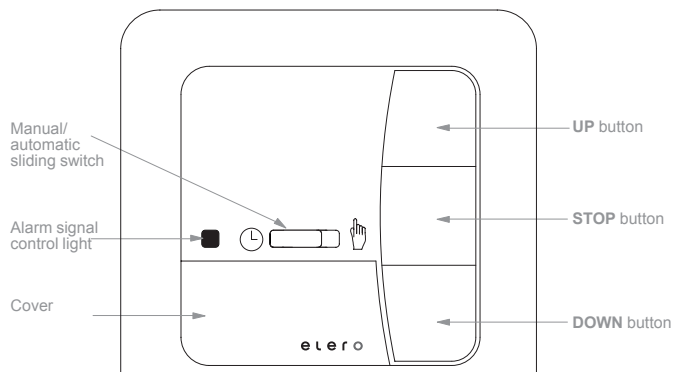


Operating instructions (translation)

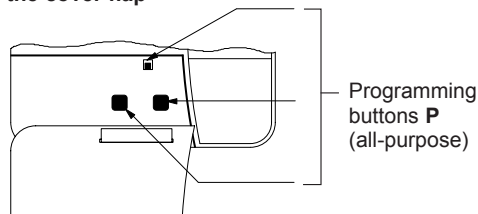
Please take care of the operating instructions!

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Buttons under the cover flap



Safety instructions:



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, if the UniTec-868 /UniTec-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 use damaged products.
- Only use unmodified original **elero** electrical 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

- Only use in dry rooms (please observe the stated protection class).
- If one or more transmitters are used for controlling the system, its operating range must stay visible during operation.
- Replace the battery only with batteries of the identical type (CR 2032).
- Keep children away from the control units.

Scope of supply

UniTec-868 / UniTec-915 operating unit
(batteries included in the device)
Wall bracket
2 wall plugs (Ø 6 mm)
2 screws (4 x 35)
Operating instructions

General information

You can control one or more receivers with the UniTec-868 / UniTec-915 transmitter.

The UniTec-868 / UniTec-915 can be operated manually at any time.

This device is characterised by simple operation and large control buttons.

Intended use

The UniTec-868 / UniTec-915 is a single-channel transmitter. It can be used unidirectionally (compatible with the existing ProLine program) or bidirectionally. The handheld transmitter must only be used for controlling roller shutters, venetian blinds and sun protection systems which are fitted with **elero** radio receivers. Other uses or use going beyond this is considered to be contrary to the intended use.

elero GmbH shall not be liable for damages in case of:

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

Please see the technical data contained in these operating instructions.

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

Safety 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 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.
- The operator has no protection whatsoever against interference by other telecommunication installations and local terminals (e. g. also from radio installations which are operated properly in the same frequency range).
- The range of the radio signal is limited by the government and the built environment.

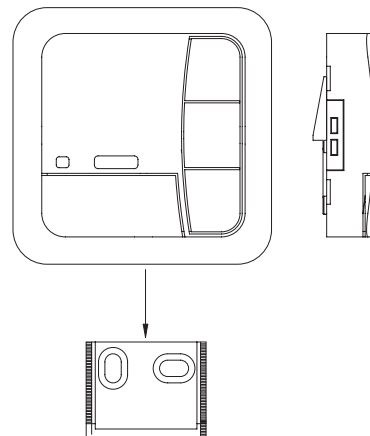
Mounting of the wall bracket



NOTE!

Before installation in the required assembly position, check that the transmitter and receiver are functioning properly.

The bracket has to be fixed so that the drill hole does not touch any electrical lines.



1. Attach the bracket to the wall, with the two wall plugs and screws which are provided.
2. Slide the UniTec-868 / UniTec-915 from the top onto the wall bracket.

Explanation of functions

Bidirectional radio system

A bidirectional radio system transmits radio signals to radio receivers and enables feedback to the transmitter. The radio signal can be sent directly to the target receiver. If this is not possible, then the radio signal is forwarded via other bidirectional participants until the signal reaches the target receiver. The target receiver carries out the command and sends a confirmation back to the transmitter. Bidirectional radio operation is only possible, if all participants are bidirectional. Otherwise, the system is only unidirectional.

Unidirectional radio system

A unidirectional radio system transmits radio signals to radio receivers. However, unlike in a bidirectional radio system, the radio receivers cannot send back any feedback to the transmitter. A passing-on of the radio signals from one radio receiver to the next radio receiver is not possible.

Initial operation

The handheld transmitter is switched on by pressing the button, and status display and operating mode are displayed successively by the indicator lamp. The handheld transmitter is in automatic mode during initial operation. As long as no receiver is programmed, the automatic display is not available.

Note

Do not press the **P** button until the receivers are in programming mode. The active channel decides for a radio system during programming. If the receivers are not in programming mode, the transmitter channel changes to unidirectional mode. Press the **STOP** and **P** buttons simultaneously for 6 seconds until the status display lights up, to restore the initial condition.

Status display of the indicator lamp

A radio signal is displayed by the illumination of the status display (LED indicator lamp). After the status display, the operating mode of the transmitter is displayed by the same indicator lamp.

Meaning of the various colours of status and operating mode display:

Status display	Operating mode display	Meaning
flashing orange	without	Transmitter is not programmed
quick flashing orange	without	Programming mode group larger than 10 drives Programming is possible only in the same channel. Please find further information at the end of the section „Programming additional transmitters/channels“ of these instructions.

Explanation of functions

Status display	Operating mode display	Meaning
orange	green	Transmitter functions bidirectionally, Operating mode Automatic
orange	red	Transmitter functions bidirectionally, Operating mode Manual
green	green	Transmitter functions unidirectionally, Operating mode Automatic
green	red	Transmitter functions unidirectionally, Operating mode Manual
3 x orange /red	green	Transmitter functions bidirectionally, Operating mode Automatic, Transmitter deleted
3 x orange /red	red	Transmitter functions bidirectionally, Operating mode Manual, Transmitter deleted
3 x green /red	green	Transmitter functions unidirectionally, Operating mode Automatic, Transmitter deleted
3 x green /red	red	Transmitter functions unidirectionally, Operating mode Manual, Transmitter deleted

The transmitting power or radio range will be reduced by the reduction in the performance of the battery. No more functions are executed and there is no display, if the voltage drops below 2 Volt.

Explanation of functions

Group control

A group is understood to mean the control of several receivers at the same time. The selected group is controlled by a travel command. Any number of receivers can be programmed and controlled in the channel.

The UniTec-868 / UniTec-915 can be programmed into several receivers.

Selection button Auto/Manual

An already programmed transmitter (uni- or bidirectional) can be switched between automatic and manual operation by using the selection button.

The current mode of the handheld transmitter channel is queried by briefly pressing the selection button.

Pressing and holding (for approx. 1 second) the selection button switches the automatic mode off. After the transmit signal, the operating mode display lights up red. The receivers now only carry out manual travel commands and do not respond to automatic travel commands.

Pressing and holding (for approx. 1 second) the selection button again, switches the automatic mode back on. After the transmit signal, the operating mode display lights up green. The receivers now execute automatic and manual travel commands.

Note

When switching on the automatic, an upward travel of the receiver is triggered (provided that sensors are programmed in the receiver).

End position

The end position is the point where the roller shutter/venetian blind is in the upper or lower position. In this position, the sun protection system is completely extended or retracted.

Intermediate position

The intermediate position is a freely-selectable position of the shutter/blind between the top and bottom end position. This can be approached from the top end position after programming is complete.

For this, press the **Down** button briefly **twice** successively.

In venetian blind mode, any programmed tilting is carried out automatically following the intermediate position.

Ventilation/Tilting

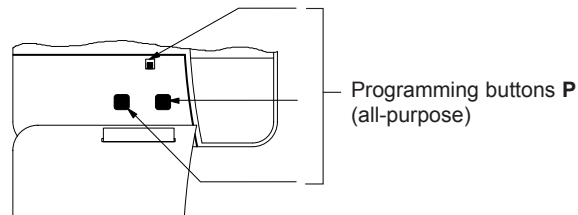
The ventilation/tilting position is a freely selectable position of the shutter/blind between the top and bottom end position. Using this function, you can raise the roller shutter from the lower end position until the ventilation gaps are again open. With venetian blinds, the slats are inverted.

For this, press the **UP** button briefly **twice** successively.

Programming a transmitter/channel

	PREREQUISITE!
	The receiver must be installed.

1. Disconnect the fuse - and reconnect after a few seconds.
The receiver is now in programming mode for about 5 minutes.
2. Stand with the UniTec-868 / UniTec-915 in front of the shutter/ blind.



3. Briefly press the programming button **P**.
The shutter/blind will automatically move up and down (for approx. 2 minutes).
4. To define the keyboard layout, press the **UP** button on the UniTec-868 / UniTec-915 (for max. 1 second) **immediately** after the start of the upward travel.
The shutter/blind will stop for a short time.
5. Press the **DOWN** button on the UniTec-868/UniTec-915 (for max. 1 second) **immediately** after the start of the downward travel.
The shutter/blind stops.
The UniTec-868 / UniTec-915 is now programmed.

Programming additional transmitters/channels

	NOTE! If several receivers are connected to the same feed line, then all are simultaneously in programming mode. The shutters/blinds start a brief “random” up/down travel. The longer you wait with the programming, the greater will be the offset. Individual transmitters/channels can now be assigned to the respective receiver. You can stop the brief up/down travel by briefly pressing the STOP button on a transmitter which has already been programmed. The channel assignment/change can now be made without having to disconnect the individual receivers. If the shutter/blind travels in the wrong direction, delete the transmitter and reprogram it. (→ see Deleting a transmitter)
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Programming additional transmitters

- To programme additional transmitters in one receiver, please proceed as follows:
1. Press the **UP-**, **DOWN-** and the programming button **P** **simultaneously** (for 3 seconds). The status LED lights up briefly. Push the programming button **P** on the new transmitter to be programmed until the status LED lights up briefly.
 2. Press the **UP** button **immediately** after the start of upward travel (max. 1 second).
The status LED lights up briefly. The shutter/blind stops – starts moving again – stops and then moves in the DOWN direction.
 3. Press the **Down** button **immediately** after the start of downward travel (max. 1 second).
The status LED lights up briefly. The shutter/blind stops.
The transmitter or the transmitter channel has been programmed.

Group mode

If more than 10 bidirectional receivers are being programmed at the same time, the transmitter channel in programming mode switches to group mode. The group mode is indicated by fast flashing with pauses. Programming in group mode ends after a 2-minute pause or pressing the **STOP** button for 6 seconds.

Intermediate positions for roller shutter/awning/venetian blind

	Roller shutter	Awning	Venetian blind
			
Pos ▼	Intermediate position	Intermediate position	Intermediate position
Pos ▲	Ventilation position	Fabric tightening	Tilting position

Programming Pos ▼ (intermediate position)

	PREREQUISITE!
	The transmitter is programmed. The end positions of the drive have been set. The shutter/blind is in its upper end position.

1. Travel the shutter/blind to the desired position with the **DOWN** button.
Keep the **DOWN** button pressed until the desired position has been reached.
2. Press the **STOP** button in addition.
The shutter/blind stops.
The intermediate position is now programmed.

Programming Pos ▲ (ventilation/tilting position, fabric tightening)

	PREREQUISITE!
	The transmitter is programmed. The end positions of the drive have been set. The blind is at its lower end position.

1. Travel the shutter/blind with the transmitter as far as necessary in the **UP** direction until the ventilation slots open or the tilting is reached.
Hold down the **UP** button until the desired position is reached..

Intermediate positions for roller shutter/awning/venetian blind

2. Press the **STOP** button in addition.

The shutter/blind stops.

You have programmed the position ventilation slots/tilting/fabric tightening.

Approaching Pos ▼ (intermediate position)

	PREREQUISITE!
	The transmitter is programmed. The intermediate position is programmed.

1. Press the **DOWN** button **briefly twice** successively.
2. The drive travels to the stored intermediate position.
If no intermediate position has been programmed, the shutter/blind travels to the lower end position.

Approaching Pos ▲ (ventilation position/fabric tightening)

	PREREQUISITE!
	The transmitter is programmed. The ventilation position/fabric tightening is programmed.

1. Press the **UP** button **briefly twice** successively.
2. The shutter/blind travels to the stored ventilation position/fabric tightening.
If no ventilation/tilting position has been programmed, the shutter/blind travels to the upper end position.

Intermediate positions for roller shutter / awning / venetian blind

Deleting Pos ▼ (intermediate position)

!	PREREQUISITE!
	The transmitter is programmed.

1. Press **simultaneously**:
 - **DOWN** button
 - **STOP** button
2. Hold down this button combination for approx. 3 seconds.
The status LED lights up briefly.

Deleting Pos ▲ (ventilation/tilting position, fabric tightening)

1. Press **simultaneously**:
 - **UP** button
 - **STOP** button
2. Hold down this button combination for approx. 3 seconds.
The status LED lights up briefly.

Approaching the end positions roller shutter / awning / venetian blind

!	PREREQUISITE!
	The transmitter/transmitter channel is programmed. The end positions of the drive have been set.

Approaching the lower end position (roller shutter/awning)

Press the **DOWN** button briefly.
The shutter/blind approaches the lower end position/the awning moves out.

Approaching the lower end position (venetian blind)

Press the **DOWN** button until the status LED lights up briefly.
The blind approaches the lower end position.
If you press the **DOWN** button only briefly (jogging mode), the blind moves a short distance and stops again.

Approaching the upper end position (roller shutter/awning)

Press the **UP** button briefly.
The shutter/blind approaches the upper end position/the awning retracts.

Approaching the upper end position (venetian blind)

Press the **UP** button until the status LED lights up briefly.
The blind approaches the upper end position.
If you press the **UP** button only briefly (jogging mode), the blind moves a short distance and stops again.

Deleting a transmitter/channel

- 1. Press the **STOP** button and **also** the programming button **P** (below the cover).
- 2. Hold down this button combination for approx. 6 seconds until the status LED briefly lights up orange and then red.
In unidirectional operation, the status LED briefly lights up green twice and then red, within these 6 seconds.

Deleting all transmitters

- 1. Press the **STOP** button and **also**:
 - Programming button **P** (below the cover)
 - **UP** button
 - **DOWN** button
- 2. Hold down this button combination for approx. 6 seconds until the status LED briefly lights up orange and then red.
In unidirectional operation, the status LED lights up green twice and then red, within these 6 seconds.

Technical data

Operating voltage	3 V DC
Battery CR 2032	
Protection class	IP20
Permitted ambient temperature	0 °C to +50 °C
Radio frequency	868 MHz band or 915 MHz band

Replacing the battery

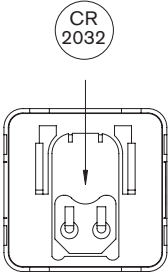


NOTE!

- Replace batteries only with the identical type (1 x CR 2032).
- Dispose of used batteries properly (collection point).

Replacing the battery

- 1. Slide the wall transmitter upwards from the wall bracket.
- 2. Remove the battery.
- 3. Insert a new battery **correctly**.



Cleaning

Clean the device with a damp cloth only.
Do not use cleaning agents, these can attack the plastic.

Disposal

Please observe the current national regulations. Dispose of according to the condition and existing regulations.
e.g. as:

- Electronic waste (PCB)
- Plastic (housing parts)
- Batteries

Notes on repair

Please contact us, if you are unable to eliminate a problem.
When contacting our service team, please always state the item description and number from the type plate (back of device).

- Item number
- Item description
- Type of fault
- Circumstances
- Own assumption
- Preceding unusual occurrences

Repair address:

elero GmbH
Antriebstechnik
Linsenhofer Straße 65
D-72660 Beuren
Telephone (07025) 13-01
Telefax (07025) 13-212
www.elero.com

If you need a contact person
outside Germany,
please visit our Website.

Notes on troubleshooting

Fault	Cause	Remedy
Drive does not run, Transmission indicator lamp does not light up.	1. The battery is empty. 2. The battery is incorrectly inserted.	1. Insert new Battery. 2. Insert battery correctly.
Drive does not run, Transmission indicator lamp stays on.	1. Receiver outside sending range. 2. Transmitter is not pro- grammed into receiver.	1. Reduce distance to the receiver. 2. Program the transmitter.
The automac commands are not executed.	The UniTec-868/ UniTec-915 is set on „MANUAL“ mode (red).	Switch the UniTec-868/ UniTec-915 into „AUTO“ mode.
Drive operates in the wrong direction.	Incorrect direction has been programmed.	Delete transmitter and program correctly.

EC Declaration of conformity

Certification FCC / IC

EC declaration of conformity

elero GmbH hereby declares that the UniTec-915 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.

Certification FCC / IC

US: Addendum to the manual
FCC / IC approval

This device (UniTec-915) complies with part 15 of the FCC Rules and RSS-210. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

CA: Addendum au manuel
Homologation FCC / IC

Le présent appareil (UniTec-915) est conforme aux FCC part 15 et CNR-210 d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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We reserve the right to make technical changes.