

**Advice:** Horizontal mounting position. Light sensor on top. Wind monitor below.

## General information

Aero-868/-915 AC is a combined sun/wind/radio control device for your awning and venetian blinds.

## Important!

The Aero-868/-915 AC only operates in combination with radio receivers from the elero ProLine-868 radio system.

Radio signals (frequency 868.3 MHz) are transmitted between the Aero-868/-915 AC and the receiver. Power supply is via connection to the mains network.

**Recommendation:** Use a LumeroTel or VarioTelPlus manual transmitter in connection with the Aero-868/915 AC to deactivate the sun function.

## Safety instructions



**Warning!**

### Risk of injury due to electrocution.

- Connections **must** be performed by an authorised specialist.



**Warning!**

### Important safety instructions!

#### Observe the following instructions.

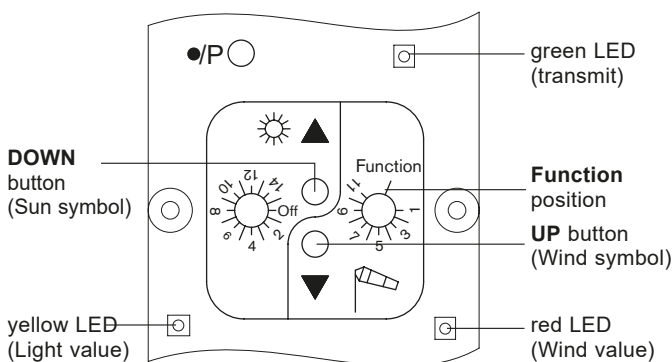
- Only use unmodified original **elero** electrical parts.
- Keep persons away from the operating range of the system.
- Keep children away from the controls.
- Follow the relevant country-specific regulations.
- If one or more devices are used for controlling the system, the operating range must stay visible during operation.
- The device contains swallowable small parts.
- Radio stations transmitting in the same frequency range may cause reception interference.
- Please note that the operating range of the radio signal is limited by legislation as well as by the product design.

## Intended use

The Aero-868/-915 AC may **only** be used for control of awnings and venetian blind installations.

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

- 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.
- Only use radio receivers with equipment and units approved by the manufacturer.

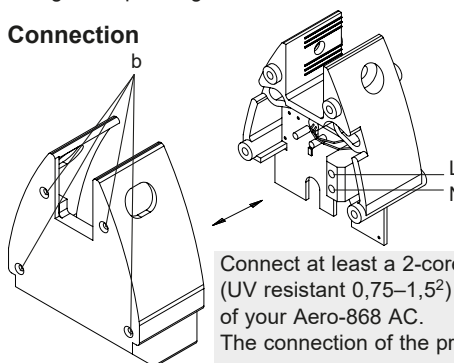


## Electrical connection of the Aero-868 AC

1. Switch off the mains voltage.
2. Connect the cables to the Aero-868 AC according to colour:  
blue = N  
black = L
3. Switch on the mains voltage.

The green operating LED  indicates readiness for operation.

## Connection



Connect at least a 2-core cable (UV resistant 0,75–1,5<sup>2</sup>) to terminals L and N of your Aero-868 AC.  
The connection of the protective earth is not necessary.  
Power consumption: > 2 watt

1. Remove the wall fixing screws (b) of the Aero-868/-915 AC.
2. Remove the cover.
3. Connect the Aero-868/-915 AC.
4. Replace the cover on the device.
5. Screw on the cover again.

## Device function

Light intensity and wind speed are measured at regular intervals and compared with the set values.

Brightness above set value → Awning moves out after delay time (Delay time approx. 5 min.) (yellow LED winks).

Brightness below set value → Awning retracts after delay time or (Delay time approx. 15 min.) remains retracted.

Wind value above set value → Awning retracts or remains retracted and is blocked for around 15 min. (red LED flashes)

The slide switch at the taught manual transmitter can be used to switch the light function of the Aero-868/-915 AC on or off. The wind function is always active, irrespective of the light switch setting.

The slide switch has no influence on the function of the travel keys. However, in the event of a wind alarm, the keys are disabled for 15 minutes.

## Function for „Manual“ switch setting (manual transmitter)

The **UP-STOP-DOWN** button on the manual transmitter and the **UP/DOWN** keys at the Aero-868/-915 AC are active.

- Wind monitoring is active
- Sun protection is disabled.

## Function in „Auto“ setting (hand transmitter)

**UP-STOP-DOWN** button on manual transmitter and **UP/DOWN** buttons on Aero-868/-915 AC are active.

- Wind monitoring is active
- Sun protection is active.

## Semi-automatic mode

Your Aero-868/-915 AC is in AUTO mode.

As soon as you now press a button on your programmed manual transmitter the receiver switches itself into the semi-automatic mode.

## Leave semi-automatic mode:

- If a level falls below and/or rises above a set threshold value then the system automatically changes to AUTO mode. The system moves in/out.  
**or**
- Set the sliding switch of your transmitter briefly to MANUAL mode and then to AUTO mode. The system moves in.

## Setting the mode (awning, protection against prying eyes, roller shutter)

The Aero-868/-915 AC can be operated in three different modes. The modes can be successively switched through.

The current mode of the Aero-868 AC is displayed by means of the flashing of the green LED.

## Awning mode

The awning is automatically retracted when the current measured sun value changes from 1 to 0 (late evening) or when the current measured light value changes from 0 to 1 (early morning).

## Protection against prying eyes mode.

To keep the blind closed even in the evening, close the blind manually using your hand-held transmitter or a timer.

The current transitions of the measured light values from 1 to 0 (late in the evening) or from 0 to 1 (early in the morning) will be ignored.

The blind will remain closed throughout the night.

The switching commands such as tilting position (venetian blind) or ventilation position (roller shutter) will be executed automatically the next day.

## Roller shutter mode

If the roller shutter is driven manually or by a timer to the lower end position, the light function (driving according to set light value) will be switched off.

The current transitions of the measured light values from 1 to 0 (late in the evening) or from 0 to 1 (early in the morning) will be ignored.

You can switch on the light function again in several different ways:

- the blind moves to the upper end position by means of a manual **UP** travel command (button on the Aero-868/-915 AC).
- the blind moves to the upper end position by means of an automatic timer command.
- by switching the sliding switch from AUTOMATIC mode to MANUAL mode and back to AUTOMATIC mode.

## Change the mode

A multiple contact switch is provided on the underside of the Aero-868/-915 AC.

1. Set the multiple contact switch to Function using a small screwdriver.
2. Keep the **UP** and **DOWN** button pressed for at least 3 seconds. The current mode of the Aero-868/-915 AC is displayed by means of the flashing of the green LED:  
The operating mode is indicated by the flashing signal.

Green LED flashes 1x → Awning mode

Green LED flashes 2x → Protection against prying eyes mode.


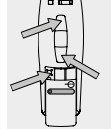
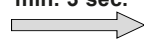
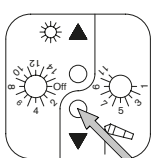
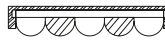
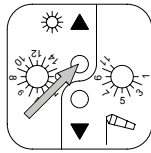
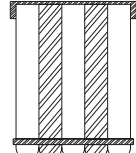
Green LED flashes 3x → Roller shutter mode

The set mode is displayed at each radio transmission by the flashing of the green LED (LED flashing pattern 1x per minute). Set the multiple contact switch from Function to a value selected by yourself.

## Programming the Aero-868/-915 AC


**Condition:** The end positions of the awing are set, a transmitter is programmed.


### Start teach mode

1.    **Blind/shutter runs up and down for 2 minutes.**  
„Teach-in“ programmed transmitter.
2. Press the **“UP”** (wind symbol) button **immediately** after the start of inward travel.   **STOP**
3. Press the **“DOWN”** (sun symbol) button **immediately** after the start of outward travel.   **STOP**

### Setting the threshold values

Multiple contact switches for wind and sun are located at the underside of the Aero-868/-915 AC. The switch has several settings, which can be modified with a small screwdriver.

	OFF	→ Light function is deactivated
	Setting 1	→ Move out at low light levels
	Setting 2-14	→ Intermediate levels
	Setting 7	→ <b>Factory setting</b>
	Setting 15	→ Move out in full sun


	Function	→ Change the mode
	Setting 1	→ Move out at low light levels
	Setting 2-10	→ Intermediate levels
	Setting 4	→ <b>Factory setting</b>
	Setting 11	→ Move out in full sun

## Check the sun protection function (test mode)

**Condition:** The blind/shutter is retracted.

The delay times are shortened in the test mode. You can then test the travel movement of your system on the set light value being exceeded or undercut.

1. Press the **UP** button (wind symbol) for at least 3 seconds until the green LED flashes.  
The test mode stays active for 5 minutes but with the LED extinguished.



**Injury risk from extending the awning or running down the venetian blind**  
The test mode is active for 5 minutes. This time cannot be shortened.  
Keep away from the operating range of the system.

2. Shine a torch on the sun sensor.  
Set light value is exceeded → shutter/blind immediately travels out/down.  
Light value has reached/exceeded the set threshold value → yellow LED flashes.  
Set light value is undercut → shutter/blind travels in/up after 15 seconds.

You can repeat the operation as often as you want within 5 minutes.

In „normal“ operation the LEDs light up every 5 seconds and show that the threshold values have been reached or exceeded.


## Check the wind function (test mode)

**Condition:** The blind/shutter is retracted.

The delay times are shortened in the test mode. You can then test the travel movement of your system on the set wind value being exceeded or undercut.

During the test phase the set wind value is automatically set to the lowest value and re-set once the test phase (5 minutes) is over.

1. Press the **UP** button (wind symbol) for at least 3 seconds until the green LED flashes.  
The test mode stays active for 5 minutes but with the LED extinguished.



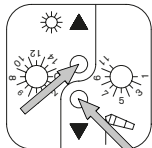
**Injury risk from extending the awning or running down the venetian blind**  
The test mode is active for 5 minutes. This time cannot be shortened.  
Keep away from the operating range of the system.

2. Use the hand transmitter to bring the shutter/blind to the centre position.
3. Turn the wind vane.  
The shutter/blind travels in/up immediately.  
Set wind value is exceeded/undercut → red LED flashes.  
You can repeat the operation as often as you want within 5 minutes.

**Note:** In the event of a wind alarm, the travel keys are disabled for 15 seconds.


In „normal“ operation the LEDs light up every 5 seconds and show that the threshold values have been reached or exceeded.

## Deleting programmed Aero-868/-915 AC

- 1** Press the **UP/** and the **DOWN** buttons **simultaneously**.
- 
- min. 3 sec.** → Green LED (transmit) goes out briefly.

The Aero-868 AC is deleted from the receiver.

## Installation

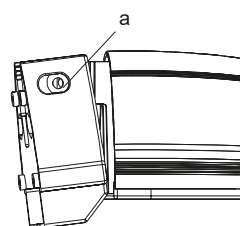


**Caution!** Up- or downwinds blowing against façades may cause destruction of equipment. The Aero-868/-915 AC is **not** able to recognise these. Please pay attention to this advice when choosing your mounting position.

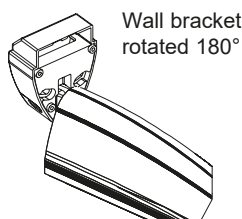
**Note:** Before installing the unit at the required position, check the proper function of the Aero-868 AC and the receiver. The Aero-868 AC must not be mounted under projecting structures.

## Wall bracket

The Aero-868/-915 AC can be fastened to the upper side of the roof or to the façade using the tilting wall bracket. The wall bracket can be swivelled between -5° and 180°. Secure the required position once it has been set (see screw a).



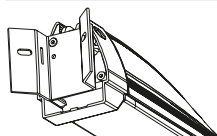
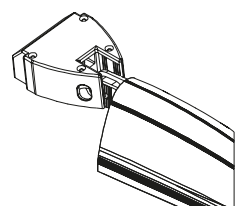
Wall bracket rotated 90°



Wall bracket rotated 180°

Mast and corner bracket (Aero, Aero-868/-915 AC). Optional accessory (Article No. 24 269.0201)

**Advice:** The adapter plate supplied must be used when fixing the mast and corner bracket.



## Technical Data

Operating voltage	230 V/50 Hz
Temperature range	-25 °C to +60 °C
Detection angel (light sensor)	150°
Protection class	IP44
Radio frequency	868 MHz (band)
Transmission power	≤ 500 mW   ≤ 10 dBm

## Important!

The Aero-868/-915 AC only operates in combination with radio receivers from the elero ProLine-868 radio system.

## Maintenance

The Aero-868/-915 AC must be freely accessible and must not be overgrown by vegetation.

The Aero-868/-915 AC is maintenance-free, however the cover must be cleaned from time to time using a moist cloth.

Fault	Cause	Remedy
• Awning automatically retracts in manual mode	• Wind alarm  • Poor radio connection  • No power supply to Aero-868/-915 AC	• Wait for wind interlock to be deactivated (15 min.) or briefly interrupt power supply • Change the position of the Aero-868/-915 AC • Create power supply
• No travel command can be issued via the manual transmitter	• Wind alarm is active • Battery in the manual transmitter is dead • Motor has no power supply or is overheated	• Wait (15 minutes) • Change battery  • Check power supply or allow motor to cool down
• Awning does not retract in windy conditions	• Wind threshold value is set incorrectly • Wind vane is faulty	• Set correct value • Replace
• Awning does not move out in sunny conditions	• Threshold set incorrectly • Wind alarm is still active • Manual mode is set  • Poor radio connection • Light sensor is dirty • SUN threshold value (OFF setting)	• Set correct value • Wait • Set automatic mode • Change the position of the Aero-868/-915 AC • Clean light sensor • Set appropriate setting
• Receiver does not accept Aero-868/-915 AC	• Aero-868/-915 AC is already programmed.	• Delete Aero-868/-915 AC