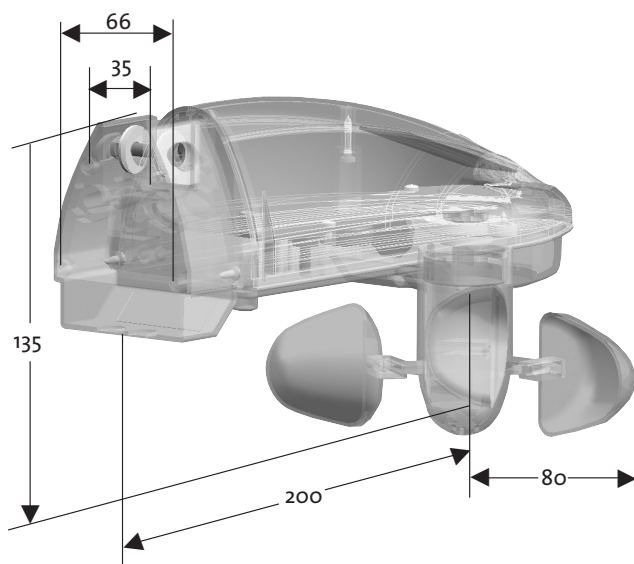




Aero-915/Aero-915 Plus Operating instructions

28 440.0002/28 480.0001



General information

Aero-915 is a wireless sun/wind control device for your awning. Integrated solar cells enable autonomous function of the device. Radio signals (frequency 915 MHz) are transmitted between the Aero-915 and the receiver.

Important!

The Aero-915/Aero-915 Plus only operates in connection with radio receivers of the elero ProLine-915 radio system.

Special features of the Aero-915 Plus

The Aero-915 Plus is equipped with an additional energy store and an additional solar cell. The standby-time is 14 hours.

The awning can be operated manually via a manual/wall transmitter. This item is not included in the scope of delivery.

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

Safety instructions



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

Instruction to the user

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

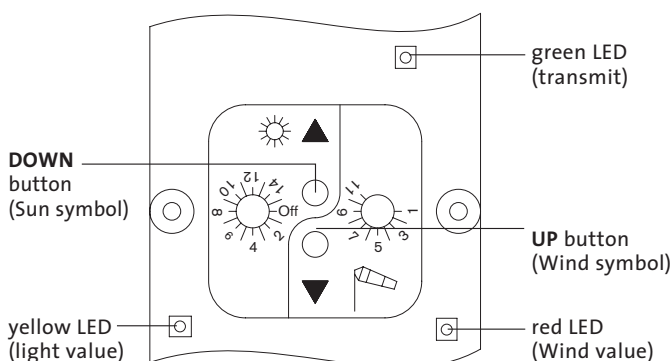
Operation with non-approved equipment is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

Intended use

The Aero-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.



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 remains retracted . (Delay time approx. 15 min.)

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-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-915 are active.

- Wind monitoring is active
- Sun protection is disabled.

Function for "Auto" switch setting (manual transmitter)

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

- Wind monitoring is active
- Sun protection is active.

Semi-automatic mode

Your Aero-915/Aero-915 Plus 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.

Loading the Aero-915/Aero-915 Plus

The Aero-915 is supplied in discharged condition.

1. Prior to commissioning, load the Aero-915 for at least minimum 30 minutes under a lamp or press a travel key for at least 1 minute.

Advice: the travel keys have two settings.

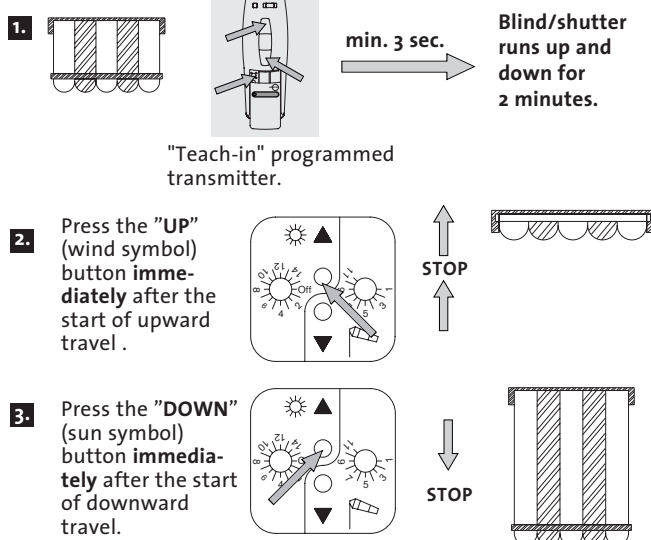
The first setting transfers energy from a built-in cell to the energy store.

The second setting activates the travel command.

Programming the Aero-915/Aero-915 Plus

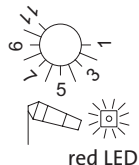
Condition: The end positions of the awing are set, a transmitter is programmed.

Start teach mode



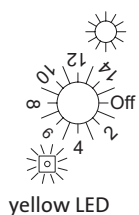
Setting the threshold values

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



Wind

- Setting 1 ⇒ Retract at low wind speed
- Setting 2 bis 10 ⇒ Intermediate levels
- Setting 4 ⇒ **Factory setting**
- Setting 11 ⇒ Retract at high wind speeds



Sun

- Setting OFF ⇒ Light function is deactivated
- Setting 1 ⇒ Move out at low light levels
- Setting 2 bis 13 ⇒ Intermediate levels
- Setting 4 ⇒ **Factory setting**
- Setting 14 ⇒ 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.



Warning!

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.



Warning!

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.

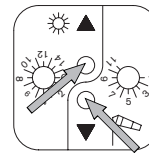
2. Use the hand transmitter to bring the shutter/blind to the centre position.
3. Turn the wind vane.
The shutter/blind travels in/up immediately.
Set wind value is exceeded/undercut → red LED flashes.
You can repeat the operation as often as you want within 5 minutes.

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-915/Aero-915 Plus

1. Press the **UP** and the **DOWN** buttons **simultaneously**.



min. 3 sec.

Green LED (transmit) goes out briefly.

The Aero-915/Aero-915 Plus is deleted from the receiver.

Installation

Before installing the unit at the required position, check the proper function of the Aero-915 and the receiver.

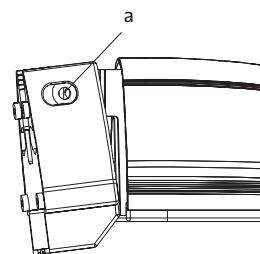


Caution!

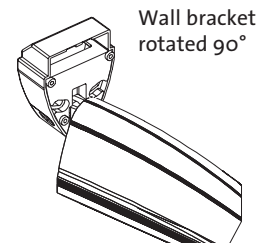
Up- or downwinds blowing against façades may cause destruction of equipment.
The Aero-915/Aero-915 Plus is **not** able to recognise these.
Please pay attention to this advice when choosing your mounting position.

Mounting options for Aero-915/Aero-915 Plus

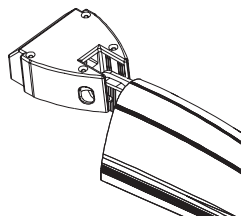
The wall bracket can be swivelled between -5° and 180° .
Secure the required position once it has been set (see screw a).



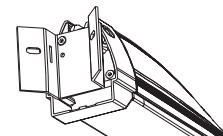
Wall bracket rotated 180°



Wall bracket rotated 90°

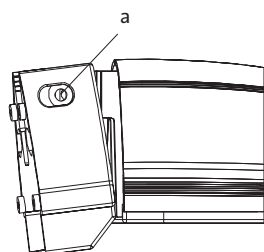


Mast and corner bracket (Aero, Aero-915/Aero-915 Plus)
Optional accessory
(Article no. 24 269,0201)

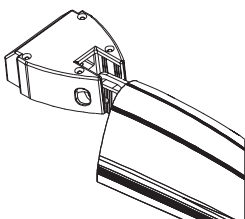


Mounting options for Aero-915/Aero-915 Plus

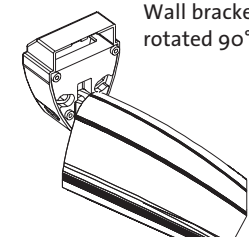
The wall bracket can be swivelled between -5° and 180° . Secure the required position once it has been set (see screw a).



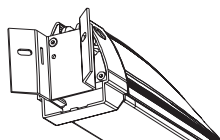
Wall bracket rotated 180°



Wall bracket rotated 90°



Mast and corner bracket (Aero, Aero-915/Aero-915 Plus)
Optional accessory
(Article no. 24 269,0201)



Fault	Cause	Remedy
Awning automatically retracts in manual mode	- Wind alarm - Poor radio connection	- Wait for wind interlock to be deactivated (15 min.) or briefly interrupt power supply. - Change the position of the Aero-915/Aero-915 Plus
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 - Sun sensor is dirty - SUN threshold value (OFF setting)	- Set correct value - Wait - Set automatic mode - Change the position of the Aero-915/Aero-915 Plus - Clean sun sensor - Set appropriate setting
Receiver does not accept Aero-915/Aero-915 Plus	Aero-915/Aero-915 Plus is already programmed.	Delete Aero-915/Aero-915 Plus.

Technical Data

Power supply	Solar
Temperature range	-25°C to $+60^{\circ}\text{C}$
Detection angle (light sensor)	150°
Protection class	IP 43
Radio frequency	915 MHz
Standby Aero-915	~ 8 hrs.
Standby Aero-915 Plus	~ 16 hrs.

Maintenance

The Aero-915/Aero-915 Plus is maintenance-free, but the cover must be cleaned from time to time.