

ADAGIO



New front bar effectively closes the fabric cassette and covers the arms as it was a full cassette



New arm bracket and modified roller tube bracket with stylish beam have made it possible to minimise the distance between the awning and the wall from 32cm to 24cm



Standard RAL colours:



*projection 300 available only with Adagio

somfy®

gardenzone.ie

This awning was designed by a team of engineers, fusing their know-how with the latest technologies on the market, which makes this product the best choice for external solar shading.

This manual details installation, use and maintenance instructions of this awning. Please read them carefully before installation, and keep it for future reference.

Package contents

- 1x Motorised semi-cassette awning
- Nx Set of brackets
- 1x Hand crank
- 1x Remote control with holder
- 1x Instruction manual

Intended use

This awning is designed for external use and intended as protection from direct sunlight, glare and heat. **It can withstand wind up to its resistance class (please check paragraph 'Wind resistance') and should be closed during rain, wind or other winter conditions (e.g. snowfall, frost, ice), as it could lead to failure of this product and might cause severe damage to individuals, animals or properties.**

Any other use or modification of this product is considered as improper use, thus would lead to judicial traceability and could engender severe damage to individuals, animals or properties.

Table of content

Important safety instructions	2
I. Overview of the awning	3
II. Installation	5
III. Configuration	9
IV. Cleaning and care	14
V. Troubleshooting	15
Declaration of performance	16
Disposal	17

**WARNING**

- **Carefully read this installation and user manual prior to the installation and use of the awning.**
- **Observe the installation requirements and instructions for a proper and safe installation of the awning.**

Symbols



Please read this user manual carefully and keep it for further reference.



Warning of accident and injury to individuals and serious damage to property.



2 people are required for this task.



A triangle with a lightning symbol draws the user's attention to "dangerous voltage" without insulation, which may be high enough to entail a risk of electric shock.



Important information.

Required accessories

The following accessories (not included) are required, for a proper installation of the awning:

- Spirit Level
- Ruler
- Tape measure
- Chalk or pencil
- Wrenches
- Rubber mallet
- 2 Stepladders
- Impact drill
- Set of Allen keys
- Suitable drill bit and mounting material (fastenings, which are not supplied) for wall, ceiling type at installation site.



IMPORTANT SAFETY INSTRUCTIONS



WARNING NOTICE - FOR THE SAFETY OF PERSONS, IT IS IMPORTANT TO FOLLOW THESE INSTRUCTIONS

THESE INSTRUCTIONS ARE TO BE KEPT

- WARNING! Working at high altitudes bears the risk of falling. Always wear appropriate fall protection.
- If the awning needs to be installed at higher levels that require the use of ropes, make sure the awning is:
 - taken out of its packaging,
 - the ropes are suitable to carry the load and fixed in a way that they cannot slip,
 - the awning is lifted evenly and horizontally. The same applies to the dismantling of the awning.
- Ladders and scaffolding may not be positioned against or attached to the awning. A firm footing and level ground is necessary for their support.
- Only use ladders and scaffolding with a sufficiently high load-bearing capacity.
- At first use, make sure that no person or animal is present in the protrusion area of the awning. Check if the fastenings and mounting brackets are still tight after the first opening.
- Use the awning only as specified in the intended use. Changes such as additions or conversions that are not provided by the manufacturer, may be made only with the written consent of the manufacturer.
- Ensure that children and persons who cannot correctly assess the dangers of improper use and misuse, do not operate the awning. Awnings in need of repair, with high wear or damage to the cover or frame, may not be used.
- Prior to each operation, visually check the awning for damages. If damage is visible, stop using the awning immediately and seek for authorized personnel to repair the damage.
- Do not touch moving parts during operation.
- There is the potential of crushing, squashing and cutting between front profile, articulated arms, moving profiles and the housing, especially when operating the awning with automatic controls. Make sure there are not objects interfering in the protrusion area of the awning.
- Prevent clothing or body parts from getting caught and drawn-in by the awning.
- When working in the protrusion area of the awning, make sure that it cannot be operated accidentally. Therefore remove the hand crank and store it in a safe place or switch off the power supply for the system and take safety precautions against unintended reactivation.
- The use of tensioning cables or additional load (e.g. hanging objects to the awning) can cause serious damage or crash to the awning and are not permitted.
- Foliage or other foreign objects on the awning cloth, the top cover and in the guide rails must be removed immediately, as they can damage or crash the awning.
- If the pitch angle of the awning is less than 14° (25%), it shall not be extended during rain, due to the danger of water pockets that can damage or crash the awning.

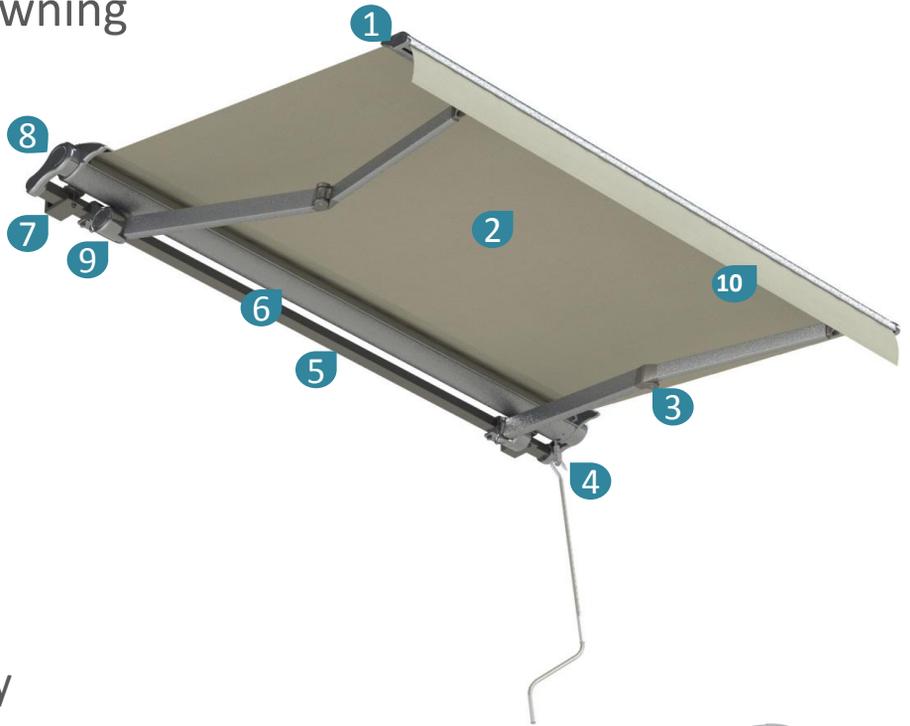
- Close the awning during rain, snow or wind to avoid damage. If a wind sensor is used in combination with an electric drive, set it according to the wind resistance class of your awning.
- Do not extend the awning during snow or frost (danger of frozen fabric). Snow and/or ice can destroy the awning. Automatic controls must be set to manual operation under such conditions, e.g. winter operation.
- Only use manufacturer-approved replacement parts.
- When dismantling and disposing of the awning, the pre-stressed parts (e.g. articulated arms, back pull systems) must be completely relaxed or secured to prevent accidental deployment.
- WARNING! Possibility of injury or death by electric shock!
- During installation, always observe the national installation regulations.
- When working on the awning, make sure that the power supply for the awning is switched off and take safety precautions against unintended reactivation.
- Children must not play with the controls of the awning. Store remote controls out of the reach of children.
- Regularly check the awning for signs of wear or damage to the cables. If damage is visible, stop using the system immediately and seek for authorized personnel to repair the damage.
- Changes to the design or configuration of equipment may not be made without consulting the manufacturer or his authorized representative.
- The awning should be visible while operating the switch,
- The switch should be installed in a place that allows the user to control it safely (away from moving parts), in a height that corresponds with the national rules for disabled people (preferably less than 1.30 m, if possible).
- If a manually operated emergency system is supplied, it must be accessible in a height of less than 1.80 m.
- An awning with electric drive cannot be closed without electricity. Therefore it is recommended, especially in windy regions with frequent power outages, to operate the awning with a manually operated emergency system or an emergency power supply.
- Caution when operating the closed awning manually, because it can fall down quickly due to weak or broken springs.

For use of batteries:

- CAUTION! Explosion hazard when the batteries are not replaced correctly. Only replace with batteries of the same type. Pay attention to the correct polarity.
- Do not expose batteries (battery pack or inserted batteries) to excessive heat from sunlight, fire, etc. Protect from mechanical shocks. Keep dry and clean. Keep out of reach of children.
- Do not open, disassemble, cut open, or short-circuit batteries. Do not use old and new batteries together.
- Observe the safety notes and other notes on the battery and its packaging.
- Remove leaking batteries and clean the battery compartment thoroughly. Avoid contact with eyes and skin.

I. Overview of the awning

- 1 Front bar
- 2 Fabric
- 3 Folding arm
- 4 Hand crank
- 5 Square tube
- 6 Semi-cassette
- 7 Installation bracket
- 8 Tube support
- 9 Arm support
- 10 Drop valance



I.1. Scope of delivery



Motorized awning



1x Hand crank



Set of brackets:

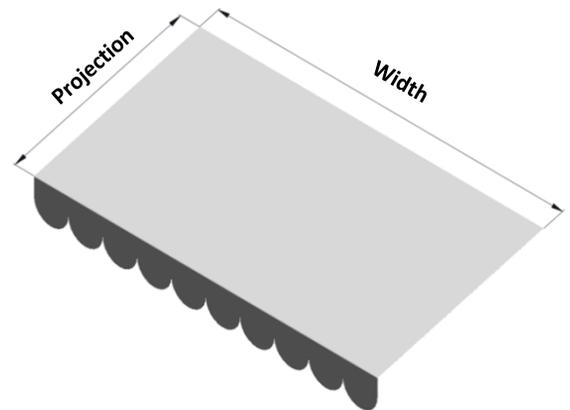
- 1x Wall bracket + fasteners + cover
- 1x Ceiling bracket + fasteners + cover



1x Remote control

I.2. Technical data

This awning is designed to withstand **Beaufort force 5** wind speeds, which is equivalent to a **second wind resistance class** in accordance with **EN-13561** (Except **10252585** and **10252586** which are **first class wind resistant**), due to their large projection area). The combination of wall type and mounting material used at your installation site might result in a lower wind resistance class for your awning. Consult an installation specialist to help you choose the adequate anchoring method. The table below can be used to identify different wind speeds by observing tree movement.



Wind resistance class	Beaufort force	Wind speed[Km/h]	Observation
0	1 to 3	≤ 19	Leaves and small twigs constantly moving.
1	4	[20 - 27]	Small branches begin to move, loose papers are raised from the ground.
2	5	[28 - 37]	Branches of a moderate size move, small leafy trees sway.
3	6	[38 - 48]	Large branches of trees sway, use of umbrellas becomes difficult.

II. Installation

II.1. Anchoring material



The table below provides basic recommendations of fastening for different wall types. Please consult a specialist to determine your wall type and the appropriate fastening. The specialist will be also able to determine the wind resistance class of the awning based on the condition of the wall and the fastening used.

WALL TYPE	LOCATION	FASTENING
Concrete Concrete/ C20-C25	Ceiling	e.g. TOX Anchor bolt S-Fix Pro 1 A4
	Ceiling / insulated	e.g. TOX Thermo Proof Plus
	Wall	e.g. TOX Anchor bolt S-Fix Pro 1 A4
	Wall / insulated	e.g. TOX Thermo Proof Plus
Solid brick Clay brick/MZ Sand-lime / KS	Wall	e.g. TOX Masonry Set Wallix
	Wall / insulated	e.g. TOX Thermo Proof Plus
Perforated brick Clay brick / HLZ Sand-lime brick / KSL	Wall	e.g. TOX Masonry Set Wallix
	Wall / insulated	e.g. TOX Thermo Proof Plus
Aerated concrete Gas concrete / BP2	Wall	e.g. TOX Masonry Set Wallix
	Wall / insulated	e.g. TOX Thermo Proof Plus
Cavity wall	Wall / insulated	e.g. TOX Thermo Proof Plus

WARNING

The installation of the awning must be conducted by a qualified person.
 Install the brackets on the wall using the right anchors.
 Consult a specialist to identify the wall type and the carrying capacity of the installation site alongside with the type of anchoring required.
 The variables motioned above will affect the wind resistance of the awning.
 Make sure that instructions of the manufacturer of the anchoring material have been respected before installation of the awning.

Width [cm]x Projection[cm]	Extraction load on anchoring [kN]
3 x 2.5	4,75
3,6 x 2.5	5,45
4 x 3	10.33
4,2 x 3	10,8
4,5 x 3	11,5
4,8 x 3	12,2
5 x 3	12,68

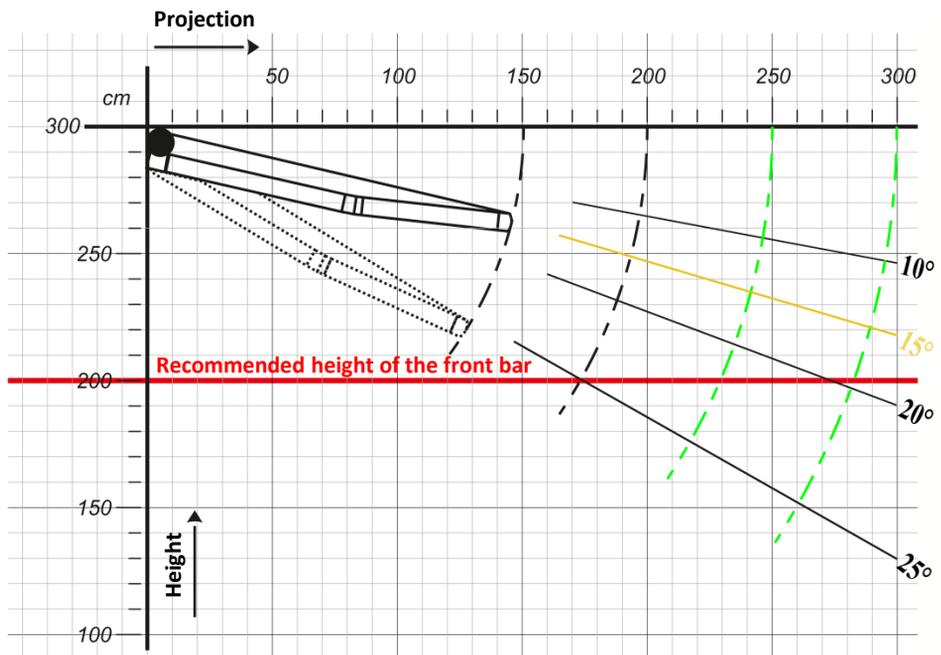
II.2. Positioning of brackets



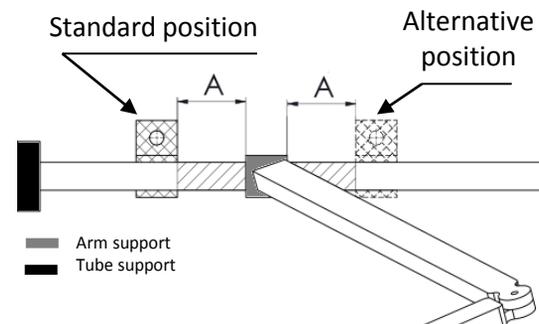
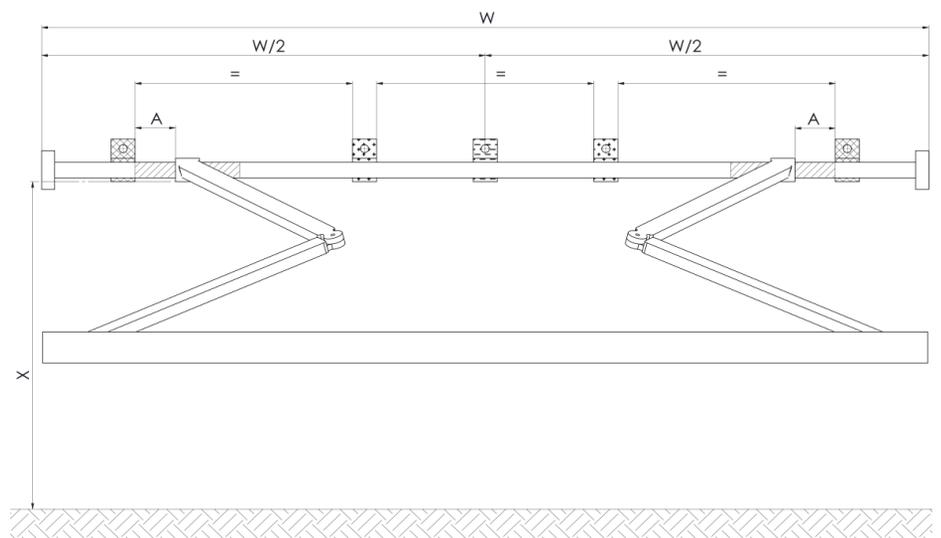
The graph shows the relation between the projection, the installation height (**X**) and the pitch angle of the awning.

The awning is delivered with a 15° pitch angle (**which is the recommended pitch angle**).

After choosing the installation height (**X**), the pitch angle, and taking into account the projection of the awning, draw a line on the graph and make sure that the point representing the front bar of this line doesn't go below the recommended height line (200cm).



- Position of outermost brackets should stay in the range of $A=[2..10]$ cm away from the arm support. They should be positioned between the tube support and the arm support. In case this configuration was impossible to achieve, the brackets could be installed on the other side of the arm support, while respecting the same range $A=[2..10]$ centimeters.



Install the brackets on the wall while respecting the dimensions stated in the table. The same dimensions should be respected in case ceiling brackets were used. The brackets should be installed on a flat surface following a horizontal line. Failing to satisfy this condition will result in fast degradation or improper operation of the awning.

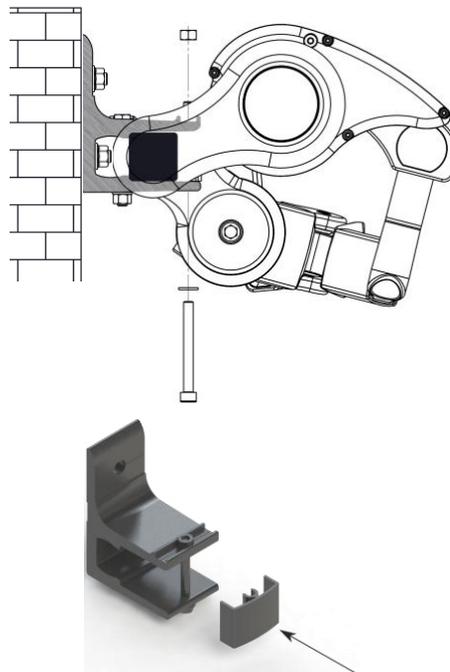


W[cm]	No. Of brackets	Pattern of brackets on sketch	A [cm]
300	2		[2..10]
360	2		
400	3		
420	3		
450	3		
480	3		
500	4		

II.3. Mounting the awning on the brackets



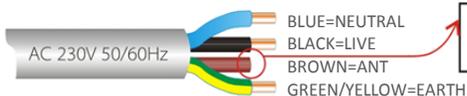
Mount the awning on the brackets by sliding the square tube through the brackets, and secure it with the screws, washers and nuts .
Finally, install the cover on the screws .



II.4. Electrical installation



The cable should be connected to the electricity source using the appropriate method. This operation should be conducted by a certified technician.



It's an antenna, please cut off but **do not wire!**

II.5. Overview of the remote control

	Symbol	Action
Awning control	▲	Close
	▼	Open
	—	Pause
Channel selection	◀	Left
	▶	Right



II.6. Verification of the awning's configuration



The awning is delivered with pre-set limit switches.

Caution:

- Do not touch moving parts of the awning during manipulation.
- Do not place or attach anything to the awning.
- Do not manually force any parts of the awning to move.



Fully open the awning using **the remote control**.



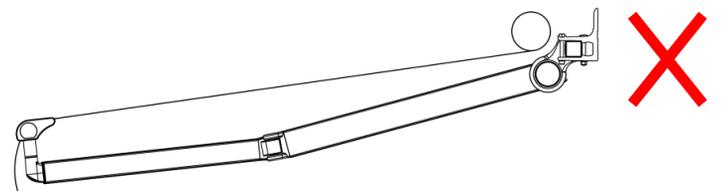
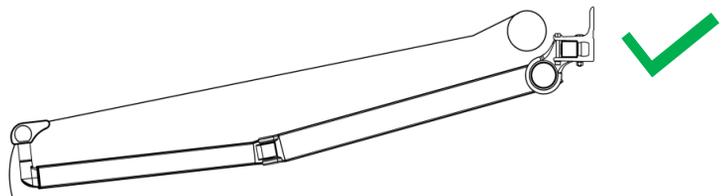
The opposite sketches explain the position of the front bar in a fully opened awning .



Further rotation of the hand crank will create a wrong configuration of the product causing considerable damage to the fabric (the fabric will be folded in the wrong direction).

Make sure the front bar is leveled using a spirit level.

If not, verify that the installation brackets are correctly leveled and all arms have the same pitch angle.

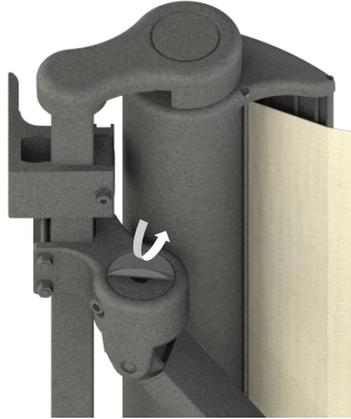


III. Configuration

III.1. Arms' pitch adjustment (OPTIONAL)

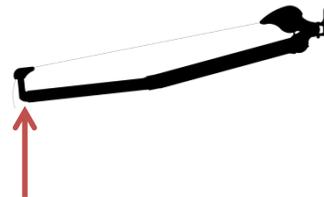
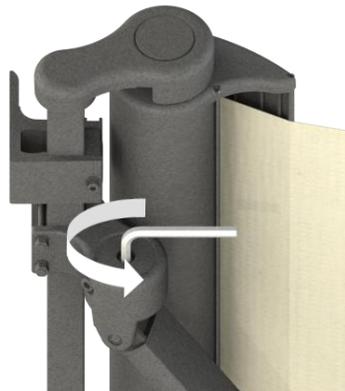


The awning is delivered with a 15 degree pitch angle which is the recommended configuration for this awning.



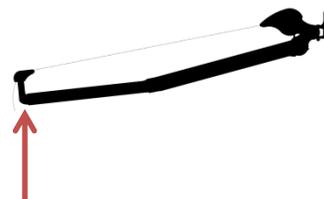
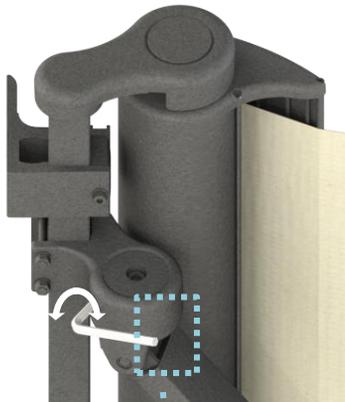
To adjust the pitch angle, follow these steps (two people are required for this task) :

- Peel off the sticker located on the arm support (which will need to be glued back later) .
- Hold the front bar in place.



- Loosen the main screw (by half revolution) using an **Allen key size 10**.

- Using an Allen key, rotate the screw to set the desired pitch angle using an **Allen key size 6**.

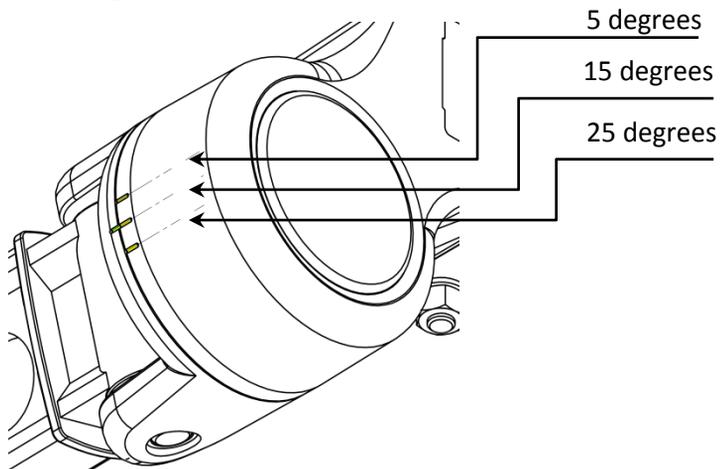


Pitch angle indicators

Pitch angle indicators



The markings on the arms support indicate the position of 5 , 15 and 25 degrees. The awning is delivered with a pitch angle of 15 degrees which is the recommended value of the pitch angle.

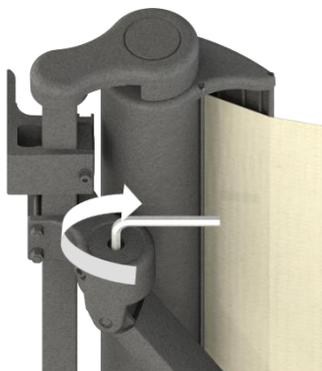


-Repeat the same procedure with the second arm.

- Make sure that the front bar is leveled.



-Tighten the main screw using an **Allen key size 10** from both sides.



Note: For safety reasons , only individuals adjusting the product should be allowed under the awning.

III.2. Cassette's pitch angle adjustment (OPTIONAL)

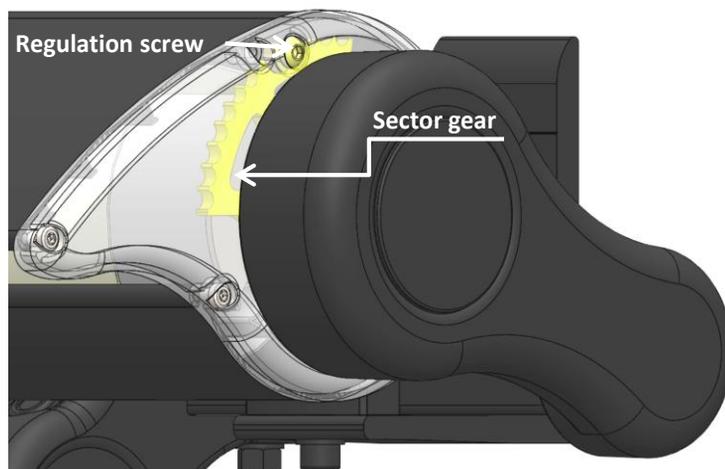
This step is required after every adjustment of the arm's pitch angle (in attempt to minimize the gap between the front bar and the cassette, ensuring a good fit between them in the closed position).



To adjust the pitch angle, follow these steps (it's preferable that two people perform this task):

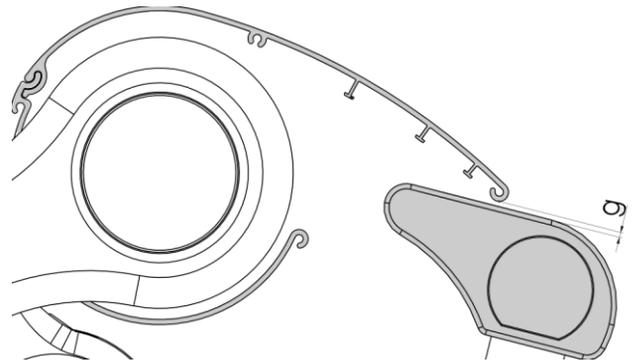
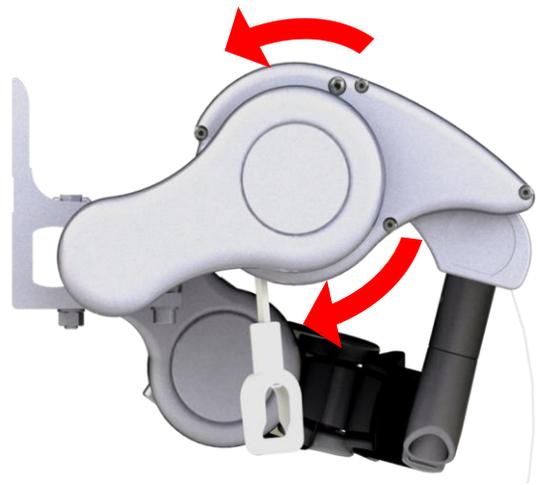
- Close the awning.

- Loosen the regulation screws (from both sides) until the cassette is free to rotate.



- Rotate the cassette by one tooth, at a time, of the sector gear.

- Tighten the regulation screws on both sides.



Note: In case the fit between the front bar and the cassette is not appealing, repeat the arm's pitch regulation procedure again to obtain a minimal gap "g" between the cassette and the front bar.

An Ideal gap "g" should stay in the range of [1..5] mm.



III.3. Manually opening the awning

Install the hand crank in the eyelet allocated for, on the right side of the awning.



Please keep the hand crank vertical while operation to protect the eyelet from damage.

The rotation of the hand crank in the two directions allows the opening or the closing of the awning



Note: that the use of the hand crank is intended for emergencies (e.g. blackout, breakdown of the product, ...) .

III.4. Adjustment of limit switches (OPTIONAL)



The awning is delivered with pre-set limit switches. This procedure is optional. It could also be followed if the limit switches are accidentally reset.

Setting the closed limit position (the up limit)

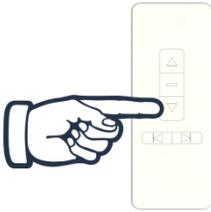


Press up ▲ to fully close the awning.

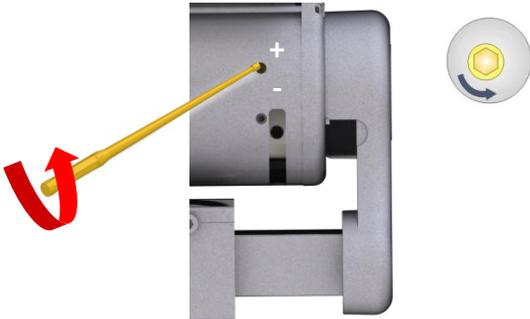
Limit of closed position exceeded



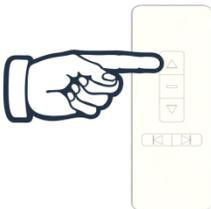
1. Press down ▼



2. Rotate the yellow adjusting knob anti-clockwise (towards “+” direction)



3. Press up ▲



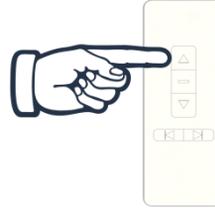
✓ Closed position limit set



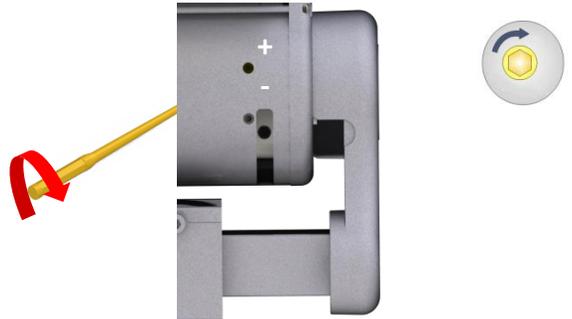
Limit of closed position not reached



1. Press up ▲



2. Rotate the yellow adjusting knob clockwise (towards the “-” direction)



✓ Closed position limit set



Setting of the open limit position (the down limit)

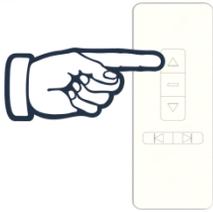


Press down ▼ to fully open the awning.

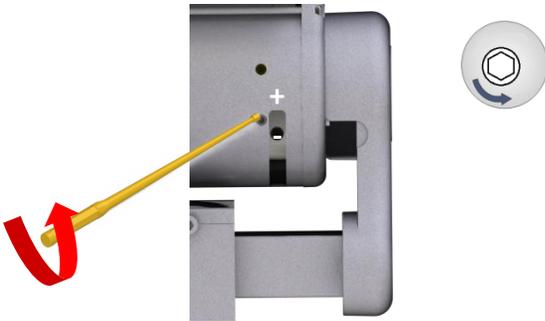
Limit of opened position exceeded



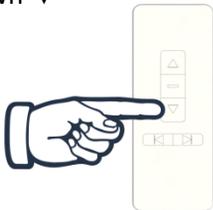
1. Press up ▲



2. Rotate the white adjusting knob anti-clockwise (towards “+” direction)



3. Press down ▼



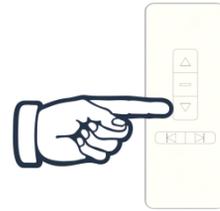
✓ Open position limit set



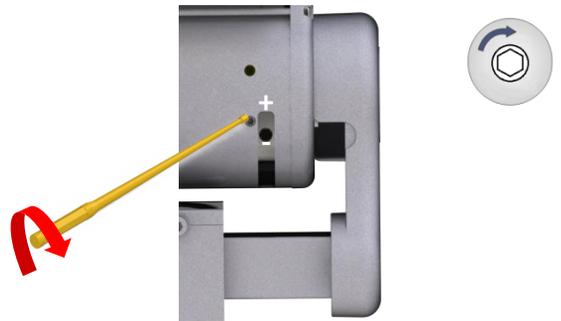
Limit of opened position not reached



1. Press Down ▼



2. Rotate the white adjusting knob clockwise (towards the “-” direction)



✓ Open position limit set



IV. Cleaning and care

Fabric

Awning fabric is a high quality product mostly made from acrylic or polyester fibres (according to the declared properties). It will maintain its quality for years, if a few requirements are observed. The local environment has a huge impact on the cleaning frequency. Dry environments require less cleaning than humid ones. The fabric can be cleaned as required, but a general cleaning should be carried out every year and at warm and dry weather.

Procedure:

1. Open the awning completely.
2. Remove loose dirt and debris.
3. Spray the fabric with water using pressure washer or a garden hose.
4. Let the fabric air dry, do not apply heat.
5. Close the awning.

Fabric information

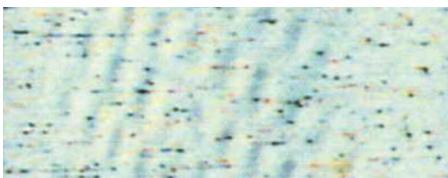
Due to its functional requirements and production methods, awning fabric has specific characteristics that do not affect the quality of the fabric or reduce its suitability for use.

- **Ruffles (1):** similar to herringbone and mainly occurs at the joints and wrappings of fabric (double thickness of fabric).
- **Chalk effects (2):** visible as light stripes, can occur during production.
- **Creases (3):** wrinkles formed by the folding of uneven fabric around the winding tube.
- **Dropped edges (4):** a twist at the edges due to the high tension located around these latter.



The above imperfections are a consequence of natural characteristics of the fabric. They cannot be the basis for complains, since they are typical for awning fabrics and do not influence the comfort of use.

(1)



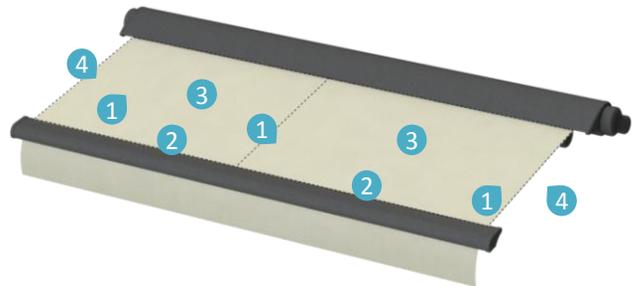
(2)



(3)



(4)



The awning is a solar shield. It is not designed for rain protection purposes. Rain resistance for a light and short rain is given for impregnated, water repellent fabrics if the pitch angle of the awning is 15° or more. In stronger or prolonged rain, the awning must be closed in order to avoid damage. Wet closed awnings should be opened as soon as possible in order to dry thoroughly.

Frame

The frame is made of powder coated galvanized steel and aluminium components. The rest of the hardware is made of corrosion-resistant materials. Over time, dust and dirt will collect on the frame and will require periodic cleaning. Use water and a soft clean cloth to clean the frame components one a year.

Remote control battery

The adequate battery for the remote control is the **CR2032 (3V, 225mAh)**.

Insert the battery under the lid of the remote control (pay attention to the polarity – and +) and close the lid again.

To ensure a good functioning and a long lifetime of your awning:

- × Do not keep your awning opened during rainy, windy or/and snowy day.
- × Do not hang plants or other objects to any parts or the awning.
- × The hand crank is intended for emergencies only.

- ✓ Retract your awning with the hand crank in case you lost power.
- ✓ The awning should be retracted if you're leaving home or when not in use.
- ✓ Clean your awning on a yearly basis as described in the paragraph "Cleaning and care".

V. Troubleshooting

Problem	Cause	Solution
Appearance of a sag and fabric not tensioned	Fabric stretches when it gets wet	Open the awning and let the fabric dry
	The arms are not fully extended	Fully open the awning
	Excess of fabric is unwound from the folding tube	Adjust the limit switches
A knocking sound or cracking noise is emitted during operation	The awning brackets have not been well fixed	Tighten the bolt-screw connections of the brackets
The remote control does not work	- Problem with battery	- Check if the battery is mounted correctly - Change the battery
	- The motor is overheated after a 4-6 min long manipulation (thermal protection mode is on).	-Let the motor recover (cooling down time is approximately 9-11 min).

Disposal

This awning must not be disposed as unsorted municipal waste. It must be returned to a designated collection point for recycling. In this way, you contribute to protection of resources and the environment. Contact your local authorities for more information. Children must not play with plastic bags and packaging material, due to possible injury or danger of suffocation. Store such material safely or dispose of environmentally friendly.



The pictogram with the crossed out dustbin points to the requirement for separate disposal of electrical and electronic appliances (WEEE). Electrical and electronic appliances can contain

hazardous and environmentally hazardous materials. Do not dispose of this appliance as domestic waste. Hand it in at a collection point for electrical and electronic waste. By doing so, you will help to conserve resources and protect the environment. For further details, please consult your dealer or your local authorities. Used batteries must be disposed of properly. Battery selling stores and municipal collection points offer special containers for battery disposal.