

Technical Manual

Elba



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Important

It is important to read these instructions carefully before installation, operation, repair or first use, in order to protect the safety of persons and to the integrity of the product.

1. General recommendations regarding safety. Use and restrictions

In order to ensure the safe assembly, use and maintenance of this product, a number of precautionary measures must be taken. Please observe the following warnings and instructions, for the safety of all concerned. Please contact your distributor with any queries.

- This manual is intended as a reference for experienced professionals and should therefore not be used by DIY amateurs or trainee fitters.

- This manual describes the installation of the product assembly COMPONENTS, and refers to the electrical control installation manuals. If necessary, this manual should be supplemented with instructions for any additional COMPONENTS not described herein.

- Please read this manual carefully before starting work.

- Some COMPONENTS may be sharp or have jagged edges. It is therefore advisable to wear safety gloves.

- All parts supplied have been designed specifically for this product. The replacement or addition of other parts may have a negative effect on the safety of the product and its warranty. In addition, the CE certification of this product will become invalid if any parts are replaced or if the installation is not carried out in accordance with the instructions in this manual. The installer shall accept full responsibility in this regard.

- Ensure that the assembly area is sufficiently illuminated. Remove any obstacles or dirt. Make sure nobody is present besides the fitters. Unauthorised persons (especially children!) may interfere or cause hazards during installation.

Before assembly, it is very IMPORTANT for your safety and that of the product to follow all the recommendations listed below. A poor-quality installation may cause harm to people or damage to the installation itself.

Once the product has been unpacked, the professional fitter has to check its integrity. Before starting the installation, the arrangement of all components and tools must be checked in order to install the product correctly. In case of doubt, contact **Saxun**'s technical department.

Under no circumstances should a damaged product be installed, as it may damage the equipment and create situations that are dangerous for people.

These **systems are exclusively intended for the use for which they were designed**. Any other use is inappropriate, and therefore dangerous.

The system installation must always be performed by a professional fitter, respecting the manufacturer's indications, as well as knowing and applying all the regulations in force.

Should any damage and/or a system malfunction be detected, **do not continue** with the installation.

The manufacturer will not be liable for damage caused during the installation due to non-compliance with these recommendations.

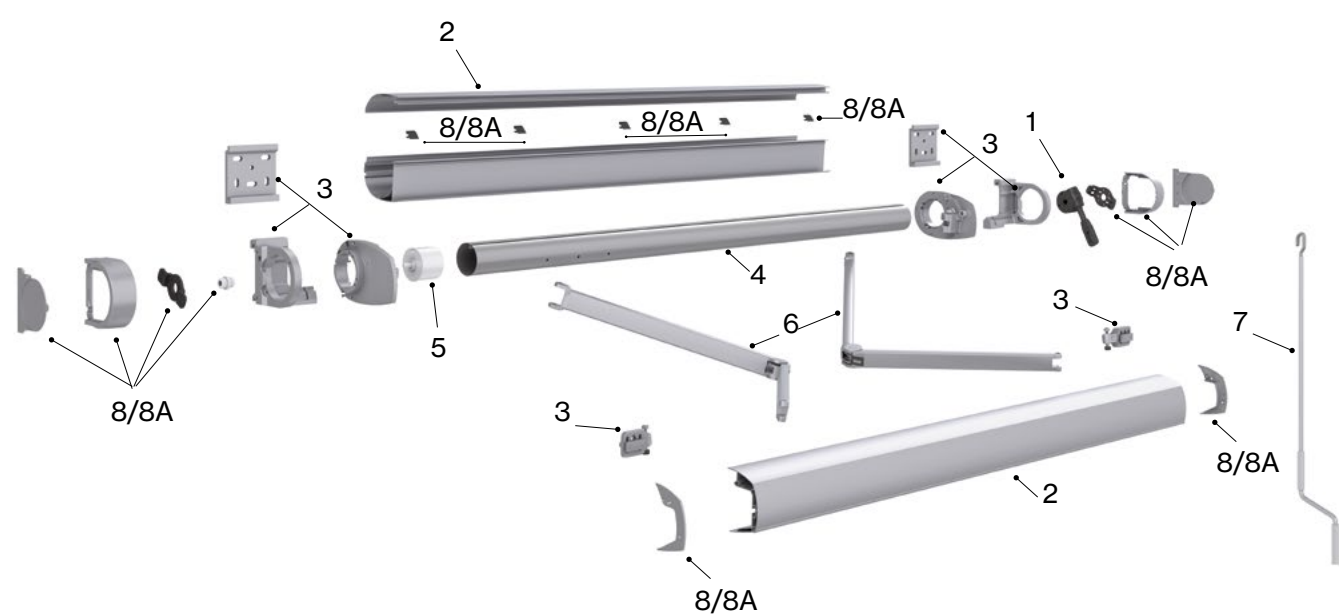
Important

For power operated products, the existing voltage must be checked before installation.

The connection must always be a grounded connection. Otherwise, do not continue the installation as it may be dangerous.

2. Parts list and section

2.1 Parts list Elba



Components

Nº	Code	Description
1	024434	Gear Saxun awning 1:11 L120 Long screw
2	022525	Set of box profiles
3	024054	Box kit
4	022806	Axle ø70
5	022258	Cap with round pivot ø70 Ran Zamak 12x40
6	022640	Set retractable arms
7	022819	Lacquered crank handle with a zined hook
8	022984	Aluminium machine cover kit
8A	022960	Aluminium motor cover kit

3. Wind resistance, cutting boards and selection

3.1 Wind resistance (EN 13561)

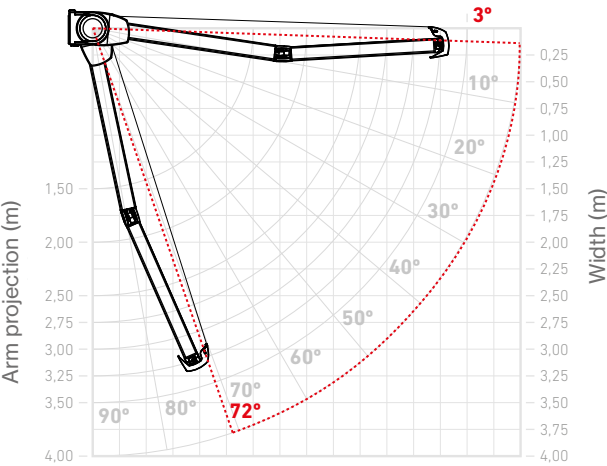
Width										Central bracket								Guide support
2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00	4,25	4,50	4,75	5,00	5,25	5,50	5,75	6,00		
1,50																		1,79
2,00																		2,38
2,50																		2,88
2,75																		3,21
3,00																		3,46
3,25																		3,80
3,50																		4,10

Class 0 ≈ 28 Km/h Class 2 ≈ 38 Km/h Class 3 ≈ 48 Km/h

3.2 Motor selection

Projection	Width														Central bracket			
	2,00	2,25	2,50	2,75	3,00	3,25	3,50	3,75	4,00	4,25	4,50	4,75	5,00	5,25	5,50	5,75	6,00	
1,50	40 Nm														40 Nm			
2,00	40 Nm														40 Nm			
2,50	50 Nm														50 Nm			
2,75	50 Nm														50 Nm			
3,00	50 Nm														50 Nm			
3,25	50 Nm														50 Nm			
3,50	50 Nm														50 Nm			

3.3 Degrees of inclination

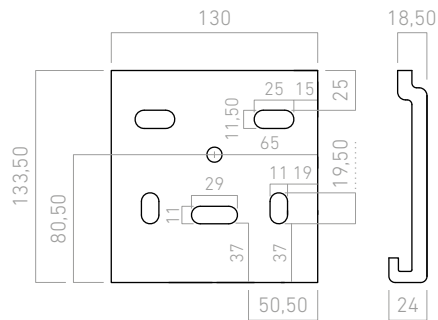


Degrees of inclination

Front installation	3° a 72°
Ceiling with plate installation	4,5° a 78,50°
Ceiling installation with square	3° a 72°
Wall to wall installation	3° a 72°

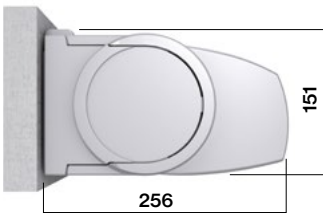
4. Views and cross-sections

4.1 Support cross-section

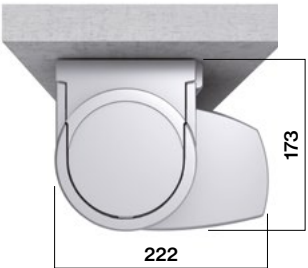


4.2 Support installation view

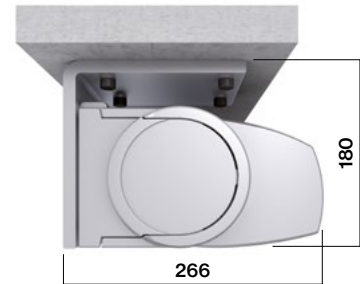
Wall view



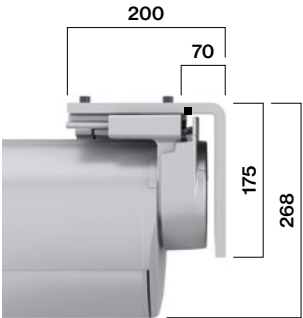
Ceiling view



Ceiling with square view



Wall to wall view

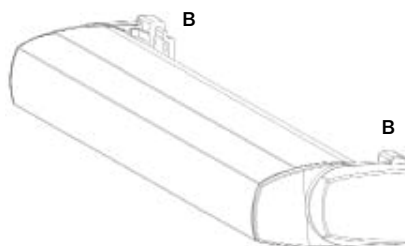


5. Assembly and installation

5.1 Identification of parts

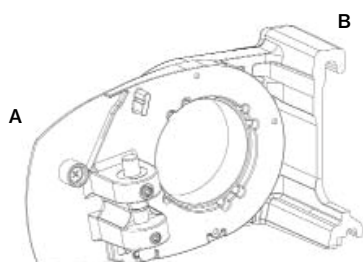
A. Mobile support

B. Fixed support

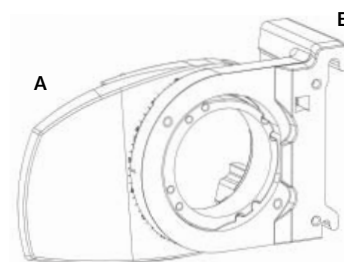


Left support

Right support



Motor/dot support



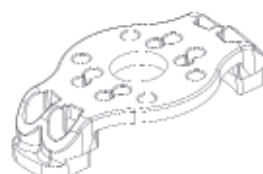
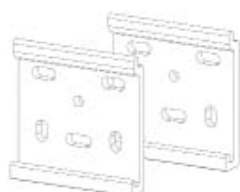
Machine support



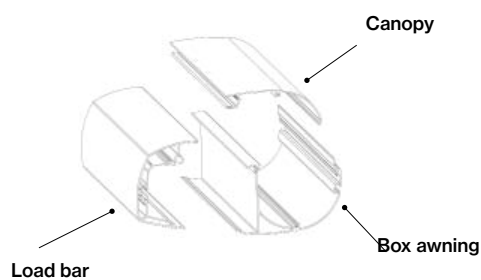
Fixture plates



Multi-motor support



Also includes a bag with a kit of strips



N° 1



N° 2

Bag N° 1. Screws

Bag N° 2. Plastic parts

5.2 Elba discounts table

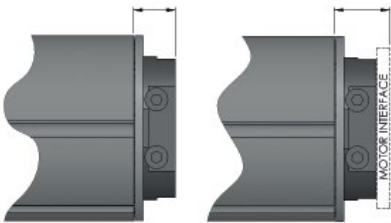
	Lids	Maximum distance between support and wall	Cutting of profiles	Cutting of shaft	Cutting of canvas	Margins for winding
Shaft motor ø70	Plastic	L - 50L	- 138	L - 83H	L - 154	8 ¹
Shaft motor ø78						
Shaft motor ø70	Aluminium	L - 48L	- 136		L - 152	
Shaft motor ø78						
Machine	Plastic	L - 73L	- 161	L - 162	L - 177	Centered
	Aluminium	L - 69L	- 156	L - 158	L - 173	

¹ Measured from the end of the shaft on the point side.

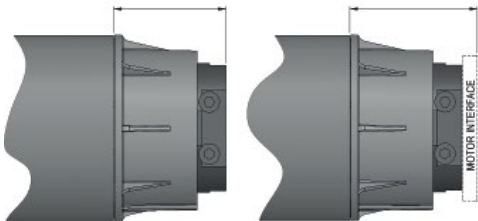
5.3 Shaft recommendation

Up to 4m line x 2.50m output: ø70x1

Up to 6m line x 3m output: ø78x1

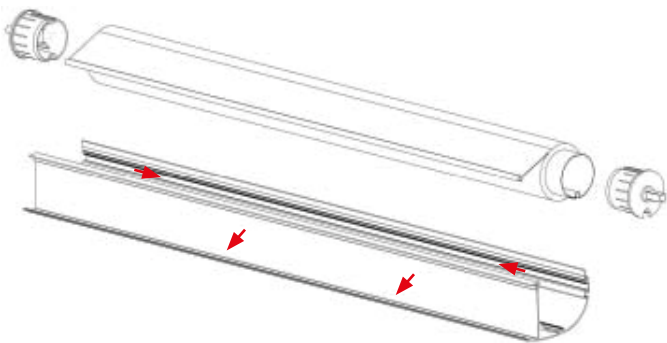


Ø70



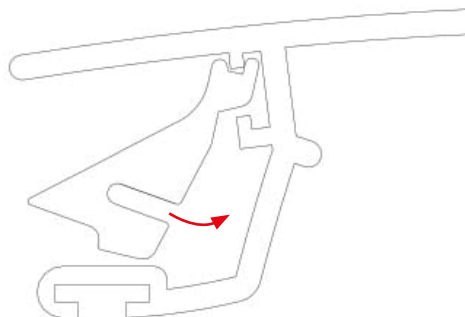
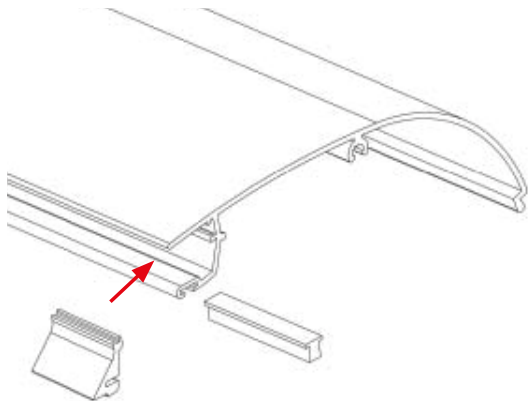
Ø78

Insert the sleeves into the shaft and place inside the box profile.

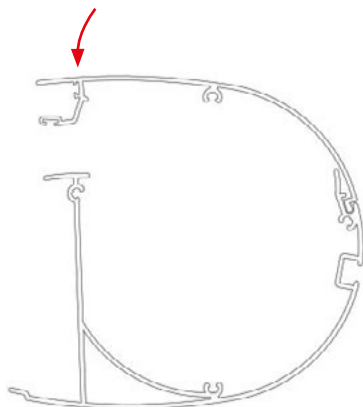


5.4 Cassette profiles assembly

Place the mat profile in the upper register profile (trimming off any excess), then adjust the five wedges so that they are roughly equidistant.

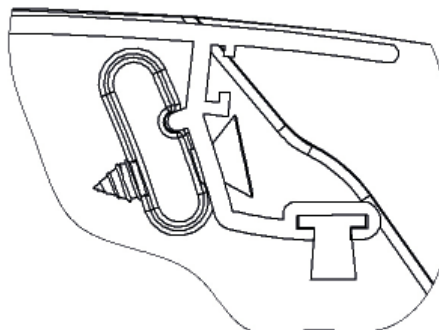


Place the upper register profile in its housing, folding it down until it fits.



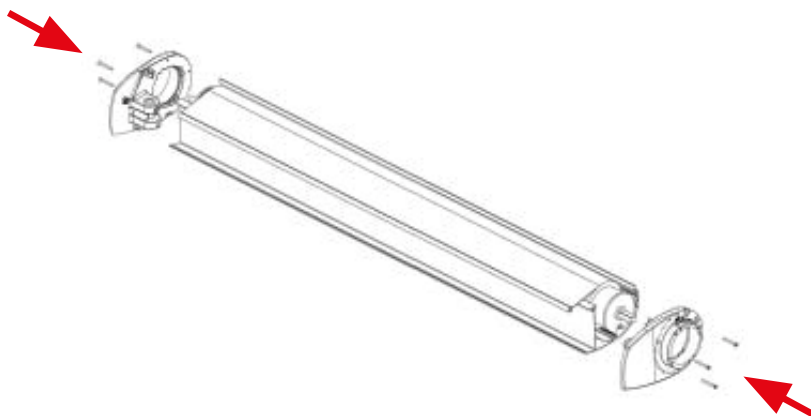
! Important

We recommend that you screw the upper register profile to the front, then insert 2 selftapping $\varnothing 3.50 \times 13$ screws (each approx. 5mm from the end of the profile).



5.5 Cassette covers assembly

Screw the mobile supports to the box profile.

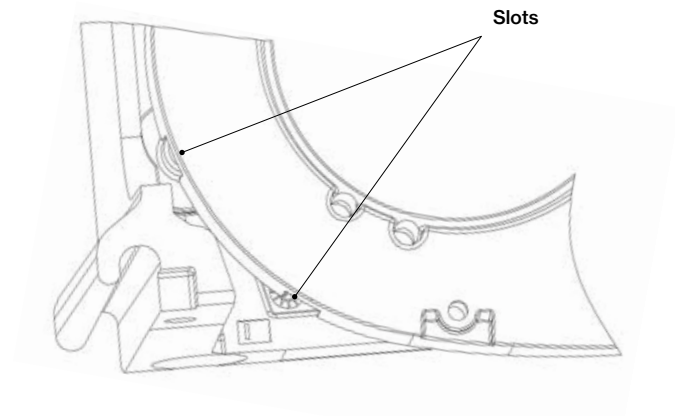


Select a slot depending on the desired angle, within the following range:

Wall: slots 1 and 2.

Ceiling: slots 3 and 4.

Install it according to the version (the steps are the same, whichever slot is chosen).

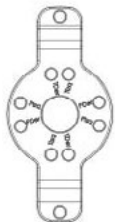


5.6 Machine assembly

a. Place in this order at the point end of the shaft:

1. Fixing support.
2. Bearing for round pivot.
3. Motor / point support (take care with the position, the spigot must point inwards).

Put the M6 screws into place in order to attach the parts to the mobile support. Do not tighten.



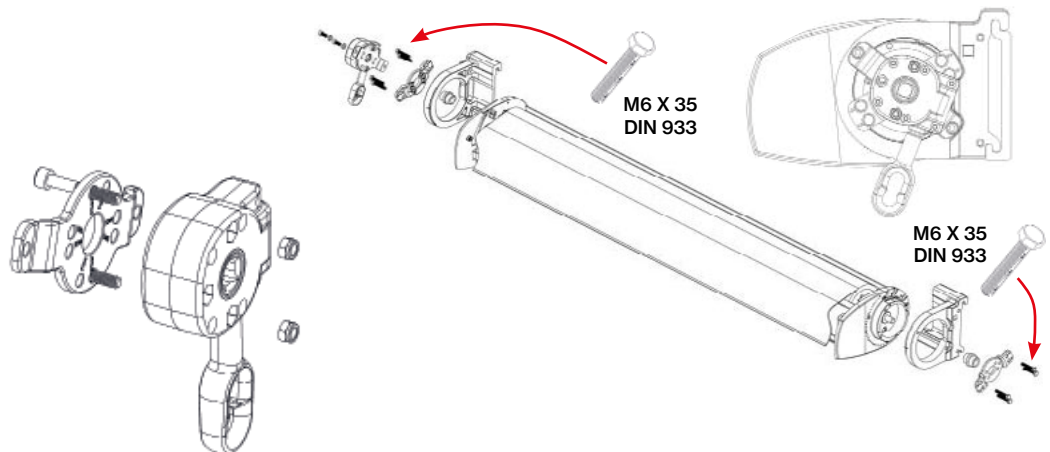
Ceiling-Rig: Ceiling right

Techo-Der: Ceiling right

Ceiling-Lef: Ceiling left

Wall-Rig: Wall right

Wall-Lef: Wall left



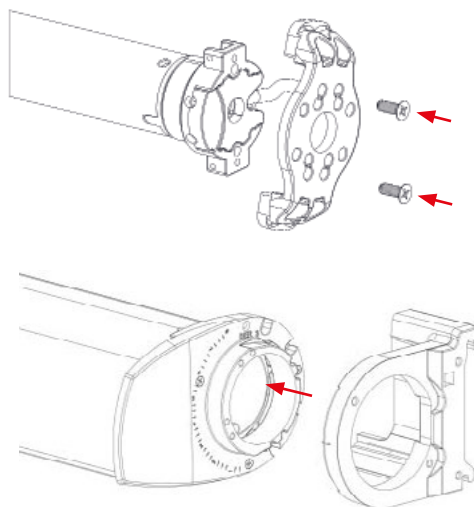
b. Place in this order at the machine end of the shaft.

1. Fixing support.
2. Bearing for squared pivot.
3. Motor / point support.

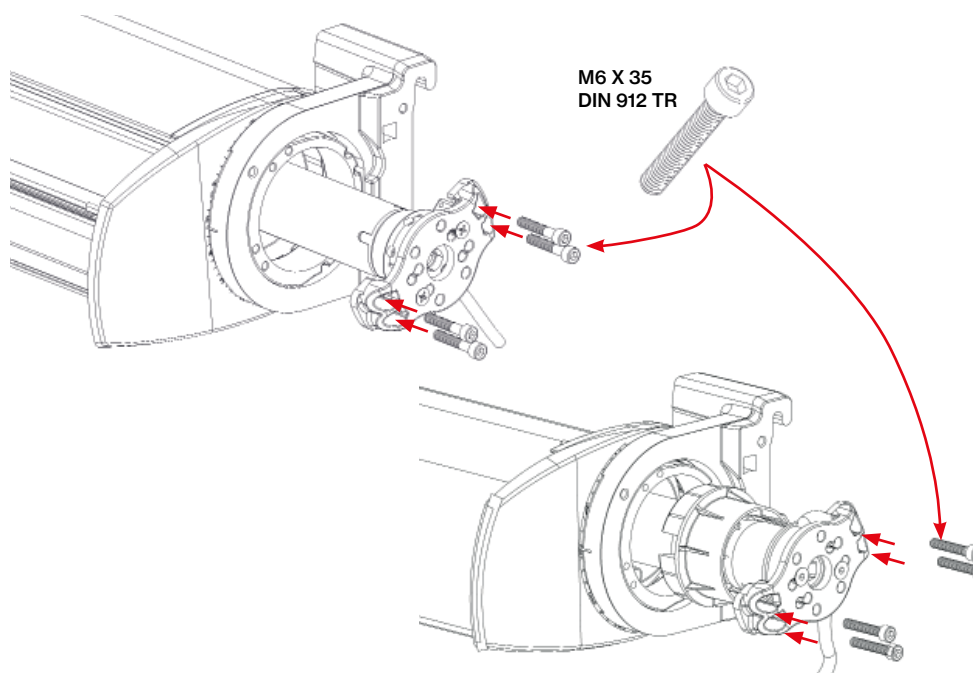
Use the M6 screws to attach the parts to the mobile support. Do not tighten.
Screw the machine to its stand and then to the mobile stand.

5.7 Motor assembly

a. Screw the motor to the motor/point support, assemble the fixed support (the end of the box that will carry the motor) with the mobile support and lastly, insert the support/motor assembly into the shaft. Use the M6 screws to screw on all three supports.



If the $\varnothing 78$ shaft is used, the appropriate specific adapter must be used.



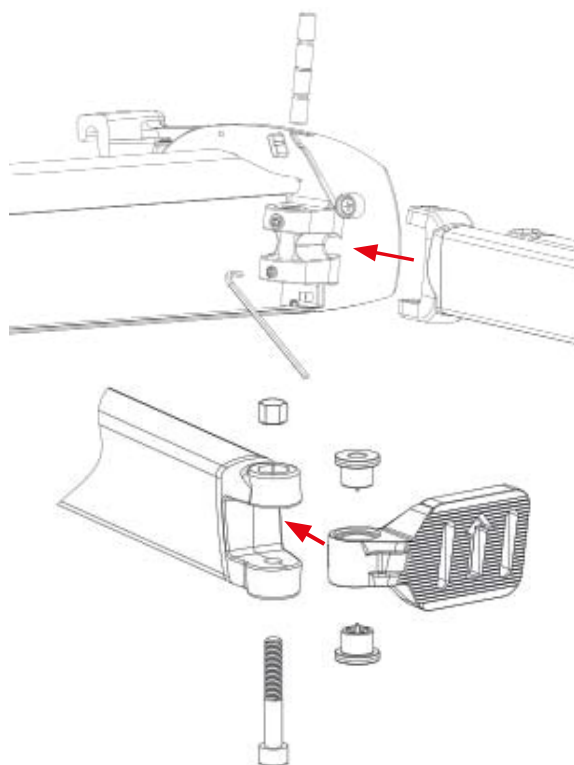


b. At the end, attach in this order:

1. Fixing support.
2. Bearing for round pivot.
3. Motor/point support (be careful with the position, the shoulder must go inwards).

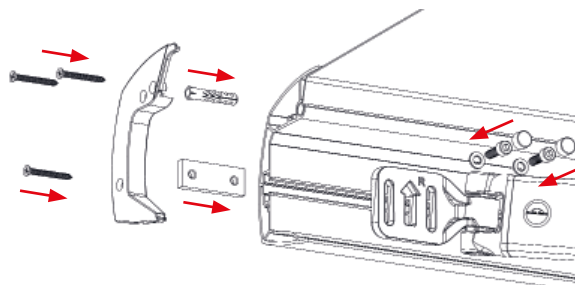
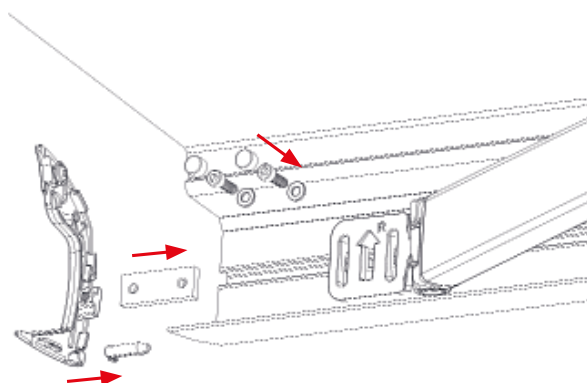
Put the M6 screws into place in order to attach the parts to the mobile support. Do not tighten.

Assemble the invisible Premium arms. Mount the arms in their housing, insert the solid shafts and fix them with the lower pins. Mount the strips to the front terminals.



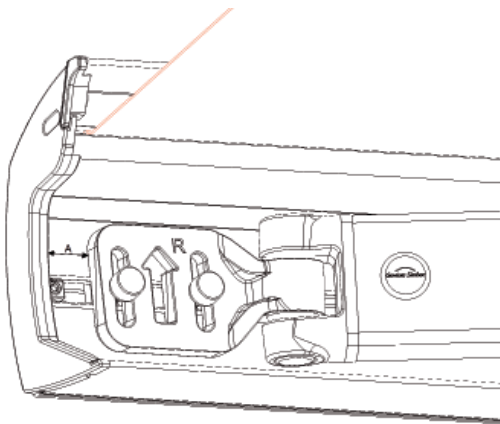
5.8 Terminal assembly

Insert the canvas into the loading bar profile and screw the strips to it. Mount the profile covers. Remove the protective sleeves from the arms.

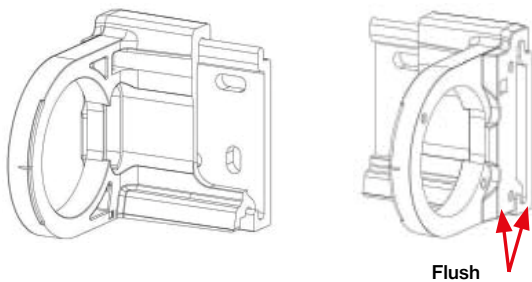


Aluminium cover version.

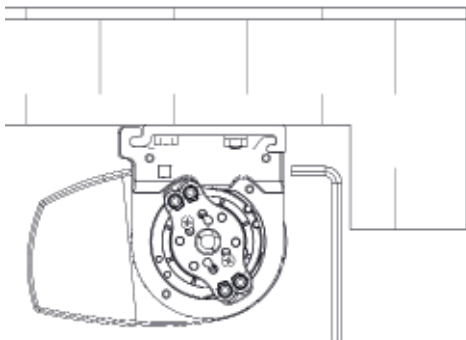
Orientation for the placement of the strips:



Measurements in mm.

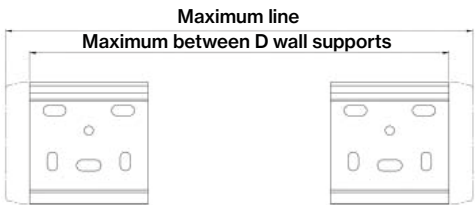


Place the wall supports on the wall.
The outer faces of the cassettes must be flush with the outer faces of the fixed supports ($\pm 6\text{mm}$) when the cassette is hung.
If the face of the wall support protrudes out of the fixed support, the plastic cover must be cut off. It is recommended to use 4 screws for each wall support.



Power strips placement

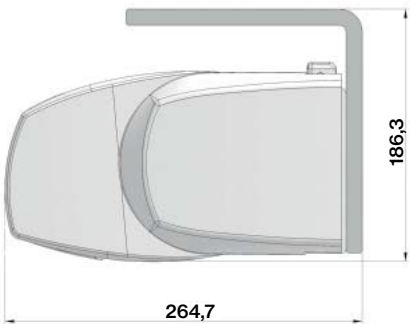
Arm measure- ment (m)	Distance a	
	Plastic	Aluminium
1,25		
1,50	14	21
1,75		
2,00		
2,25	89	96
2,50		
2,75	164	171
3,00		



See discount table page 9

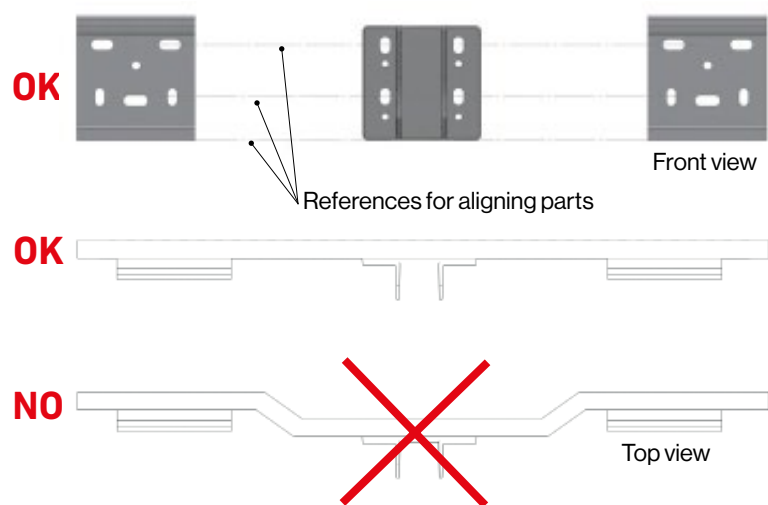
! Important

Please see the wall support dimensions in the discount table before drilling into the wall.

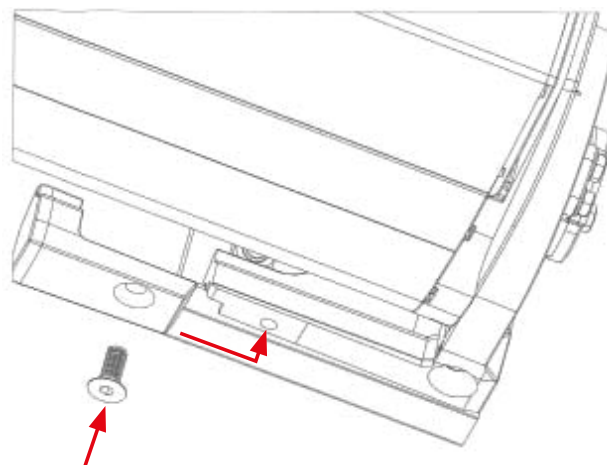


If it is not possible to maintain the necessary distance to regulate the inclination, use the Elba roof support as an alternative.

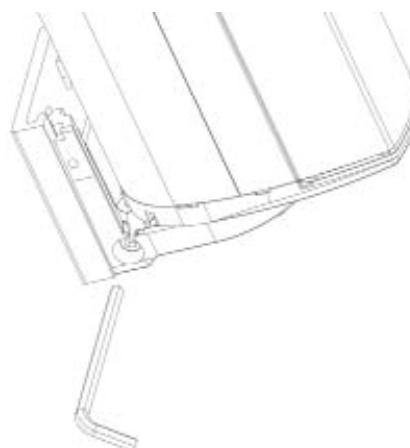
Hang the box on the wall supports (these must be already levelled and fixed).



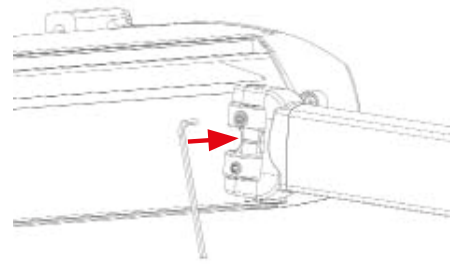
Screw on the two panels that limit movement (vertical and horizontal).



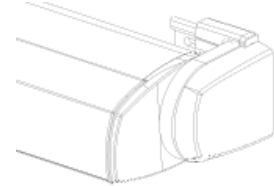
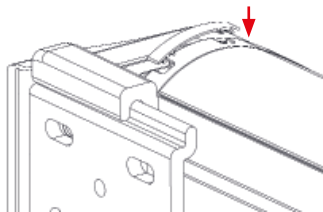
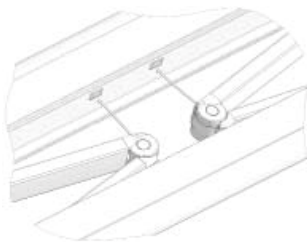
Adjust the inclination of the cassette and then tighten the two fixed supports (M6 screws).



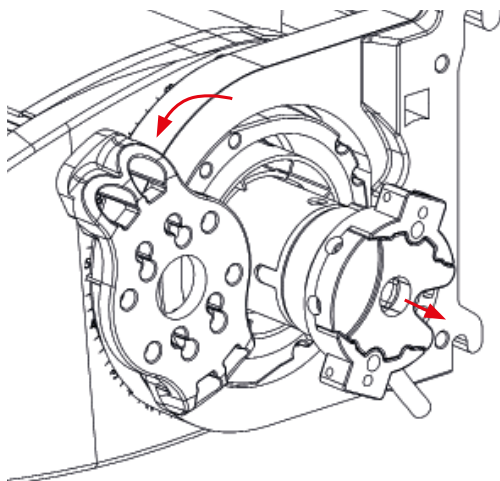
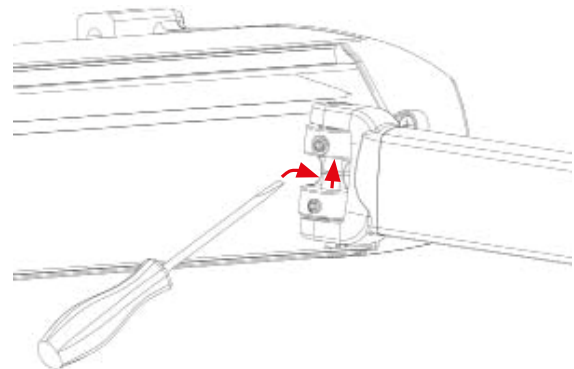
Adjust the height of the elbow so that it closes the box perfectly (if you are using a machine, before adjusting it hold the arms with their cover and release the canvas by operating the machine).



Put all the covers and transparent stickers into place.



Detail of the extraction of the shaft, in cases where disassembly of the arms is required.



If the motor needs to be dismantled: hold the arms with their cover (first opening the box as necessary) and remove the screws that hold the motor. Remove the screws that hold the motor.

Next, remove three of the screws from the motor support, leaving only one as a safety precaution, leaving it slightly loose so that the support can be turned as far as necessary to allow the motor to be removed.

Recommended elements for the canvas shaft:

Shaft ø78:

- Spike sleeve.
- Transmission sleeve.

Shaft ø70:

- Spike sleeve.
- Transmission sleeve
 - Motor adaptor.

System compatible with:

- Gel 1:11 machines
- Inter-wall support
 - Cassette-type motors.

6. Maintenance

6.1 Cleaning and care

For best use and extended durability of the screen, it is recommended to carry out regular maintenance and checks at least once a year, or even more often depending on the wear and tear caused by wind at the installation site.

To prevent rusting, periodic cleaning of gutters and profiles using neutral soap is recommended. This should be done at least once a year and more frequently for materials exposed to aggressive atmospheric conditions (marine, industrial, airborne dust, etc.) It is important to thoroughly rinse the products with water after using detergents to clean them, to avoid the build-up of salts on the profiles' surfaces.

This periodic cleaning, if done correctly, removes exogenous agents from the material's surface that may attack their covering and aluminium components, prolonging the lifespan of the profiles and maintaining their appealing aesthetic.

To clean the canvas, we recommend removing the dust that has accumulated without using water, to enable you to remove all the surface particles by vacuuming, air blowing, beating or brushing.

If you wish to remove finger or grease marks, use water with neutral soap. If they are water-based marks, clean them with at most a sponge and rub with a damp cloth.

NEVER use detergents or other chemical products.

Finally, the user must bear in mind the need to check the tightness of the screws in accordance with the tightening torques.

Annex I

What to do in case of emergency

Problem	Causes	Solutions
The awning doesn't close	The power strips are not positioned symmetrically	Position the power strips in line with the measurement indicated by the manufacturer
	The elbow collides with the profiles of the cassette	Adjust the height of the elbow
	Badly levelled awning	Place the supports so that they are correctly levelled
The load bar does not ascend in a straight line	Wall level uneven	Place the supports in the same vertical plane
The motor ceases to work after several minutes of continuous use	The power strips are not positioned symmetrically	Position the power strips in line with the measurement indicated by the manufacturer
	Thermal motor protection	Allow the motor to cool down for a few minutes

Annex II

Motor configuration

1. Introduction

2. Safety

- 2.1 Safety and responsibility.*
- 2.2 Specific safety regulations.*

3. Installation

- 3.1 Motor preparation.*
- 3.2 Tube preparation.*
- 3.3 Motor - tube installation.*
- 3.4 Tube - motor set assembly.*

4. Cables

5. Start - up

- 5.1 Identification of the setting steps already performed.*
- 5.2 Prior registration of Somfy io local control point.*
- 5.3 Motor rotation direction check.*
- 5.4 Limit switch setting.*

6. Use

- 6.1 Standard use.*
- 6.2 Use with a Somfy io sensor.*

7. Additional settings

- 7.1 Favourite position ("My").*
- 7.2 Addition or deletion of control points and local control point.*
- 7.3 Modification of limit switches.*
- 7.4 Advanced functions.*

8. Tips and tricks

- 8.1. Do you have any questions about the Sunea screen io?*
- 8.2. Replacing a lost or damaged Somfy io control point.*
- 8.3. Restoring to original settings.*

9. Technical data

1. Introduction

The Sunea Screen io motor has been designed for all types of screens with side arms, as well as vertical screens that do or do not have a cassette.

What is io-homecontrol®?

The Sunea screen io uses io-homecontrol®, a new, safe and wireless communication protocol used by the top manufacturers in the home furnishing sector. The io-homecontrol® technology allows communication and control using a single control point and comes with all kinds of accessories for comfort and safety.

The flexibility and perfect compatibility of the io-homecontrol® system allow it to adapt to the ever-changing needs of the customer. Automatisation of the rolling and main entrance shutters, the exterior screens, the portico and the garage door to garden lighting, all thanks to the io-homecontrol® system.

The ever-growing range of accessories are compatible with the existing installation thanks to io-homecontrol® technology, that guarantees their interoperability.

For further information, consult the website www.io-homecontrol.com

2. Safety

2.1 Safety and responsibility

Before installing and using the product, read this guide carefully.

A property motorisation and automatisisation professional must carry out the installation of this Somfy product. This guide is directed at such professionals.

The installer must also comply with the standards and regulations in force in the country of installation and must inform their clients of the terms and conditions of use and maintenance of the product.

Any use differing from the application established by Somfy shall be considered prohibited use. This, along with any breach of the instructions contained in this guide, shall lead to the exemption of Somfy from any responsibility and guarantee.

Before its installation, check the compatibility of this product with the associated equipment and accessories.

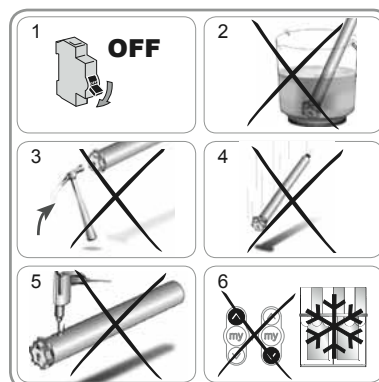
2.2 Specific safety regulations

In addition to the safety standards described in this guide, the instructions detailed in the attached document, titled "Safety standards that must be respected and conserved" must be followed.

1. Cut the electrical power to the screen before performing any maintenance procedures.

To avoid damaging the motor:

2. Do not submerge
3. Avoid knocks
4. Avoid dropping
5. Do not drill
6. Avoid operation in the case of formation of ice on the screen

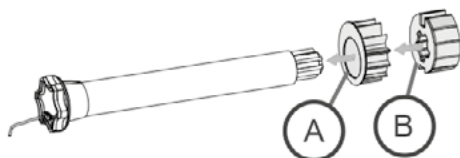


3. Motor preparation

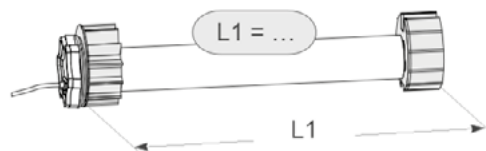
The Sunea io must be installed in a location that is protected from the elements.

3.1 Motor preparation

1. Insert crown **A** and wheel **B** into the motor.

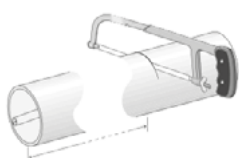


2. Measure the length **L1** between the inner edge of the motor head and the end of the wheel.

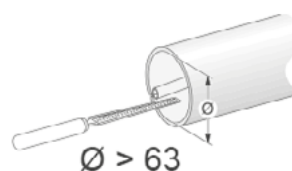


3.2 Tube preparation

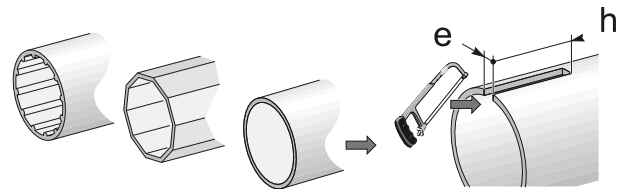
1. Cut the tube to the required length.



2. Remove burrs and chips from the rolling tube.



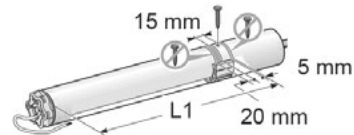
3. For plain tubes, make a notch according to the following dimensions: - e = 4 mm - h = 28 mm.



3.3 Motor - tube installation



1. Insert the motor into the roller tube.
For the rolling tubes.
For smooth rolling tubes, match the notch with the crown.



2. For safety reasons, secure the roller tube to the wheel using 4 x $\varnothing 5$ mm Parker screws or 4 x $\varnothing 4.80$ mm steel:
- Pop rivets, located at least 5 mm from the outer end of the wheel (L1- 5) and
 - at most 15 mm from the outer end of the wheel (L1 - 15).

! Importante

The screws or Pop rivets must not be attached to the motor, just to the wheel.

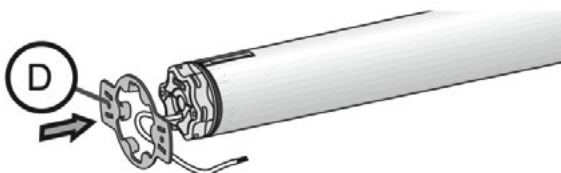
3.4 Tube - motor set assembly

Mount the end to the tube.

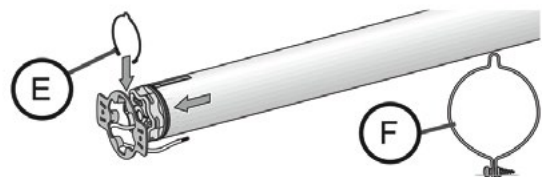
1. Install the tube - motor set onto end bracket C.



2. Install the tube - motor set onto motor bracket D.



3. Depending on the type of support, install the stop ring (E) (for motors ≥ 85 Nm, the lockable stop ring (F) must be used with a stop ring).



4. Cables

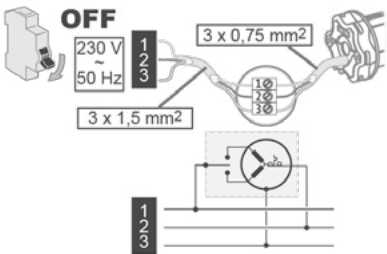
! Important

Always make a loop in the power cable to avoid water penetrating the motor. During installation, comply with the standards and legislation in force.

1. Cut the electrical power.



2. Connect the motor as per the information in the following table:



	230 V ~ 50 Hz	Cable de motor
1	Brown	Phase P
2	Blue	Neutral N
3	Green-Yellow	Earth ↓

5. Start-up

This guide only describes the start-up process with a Situo io type Somfy io local control point. For start-up with any other type of io control point, consult the relevant guide.

5.1 Identification of the setting steps already performed

! Important

Only one motor must be powered at a time.

Provide power and follow process “a” or “b” according to the actions of the screen:

a. The screen moves slightly

The limit switches are set and there is no Somfy io control point registered. Continue to the chapter titled “Registration of first Somfy io local control point”.



➔ **Registration of the first Somfy io local control point.**

b. The screen does not move

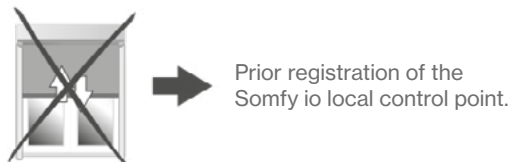
Press the raising or lowering button and carry out process “b1” or “b2” according to the actions of the screen:



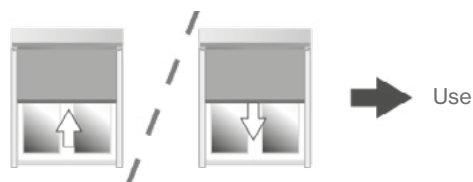
**b1
or
b2**

b1. The screen still does not move

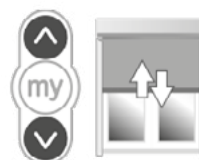
The limit switches are not set and there is no Somfy io control point registered. Continue to the chapter titled "Prior registration of the Somfy io local control point".

**b2. The screen raises and lowers completely**

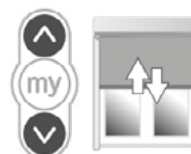
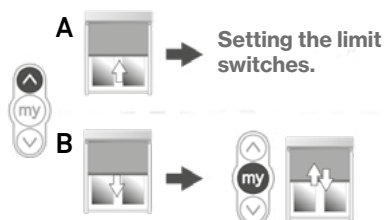
The limit switches are not set and there is no Somfy io control point registered. Continue with chapter titled "Use".

**5.2 Prior registration of Somfy io local control point**

Simultaneously press the raising and lowering switches: the screen will move briefly. The Somfy io local control point will have been registered in the motor.

**5.3 Motor rotation direction check****Motor rotation direction check**

Press the raising button on the Somfy io local control point:



a. If the screen raises, the rotation direction is correct. Continue to the "Limit switch setting" chapter.

b. If the screen lowers, the rotation direction is incorrect: press the "My" button until the screen moves. The rotation direction will have changed.

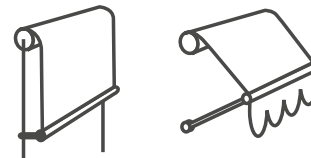
Press the raising button to check the rotation direction.

5.4 Limit switch setting

The limit switch settings depend on the type of screen.

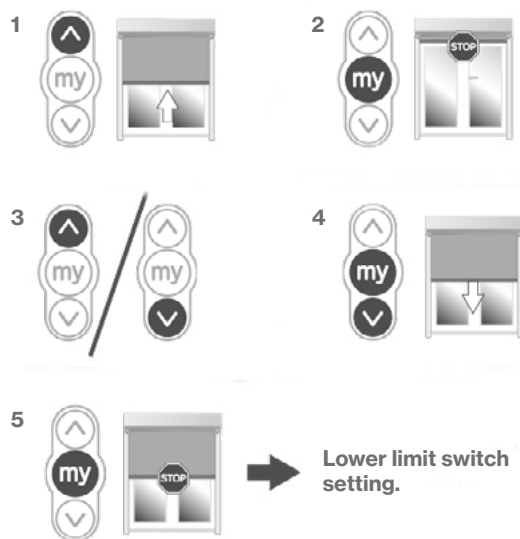
Settings for vertical screens without top stops and screens with side arms.

For vertical screens with no top stop or screens with side arms without end caps, the upper and lower limit switches must be set.



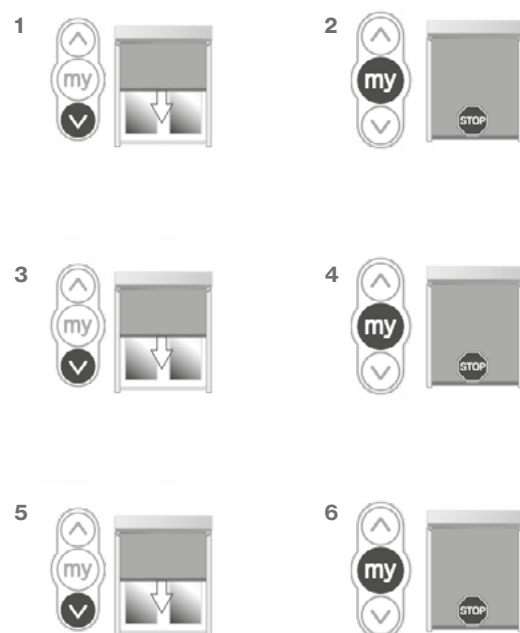
Upper limit switch setting

1. Place the screen in the upper limit switch position.
If the raising button is pressed for > 2 s, the screen will roll up continuously.
2. Stop the screen in the desired position.
3. If necessary, adjust the position of the screen using the raising and lowering buttons.
4. Simultaneously press the “My” and lowering buttons: the screen will lower continuously even after you stop pressing the “My” and lowering buttons.
5. At mid position, briefly press the “My” button to stop the screen and proceed to the chapter entitled “Setting the lower limit switch”.



Lower limit switch setting

1. Position the screen in the lower limit switch position.
If the raising button is pressed for > 2 s, the screen will roll down continuously.
2. Stop the screen in the desired position.
3. If necessary, adjust the position of the screen using the raising and lowering buttons.
4. Simultaneously press the “My” and raising buttons: the screen will raise continuously even after you stop pressing the “My” and raising buttons.
5. At mid position, briefly press the “My” button to stop the screen.
6. Press the “My” button again until the screen moves: the limit switches are now registered. Continue to the chapter titled “Registration of first Somfy io local control point”.



Setting for vertical screens with top stop only

In the case of screens with a top stop (stopping the loading bar on the end plate), the upper limit switch sets automatically while the lower limit switch sets.

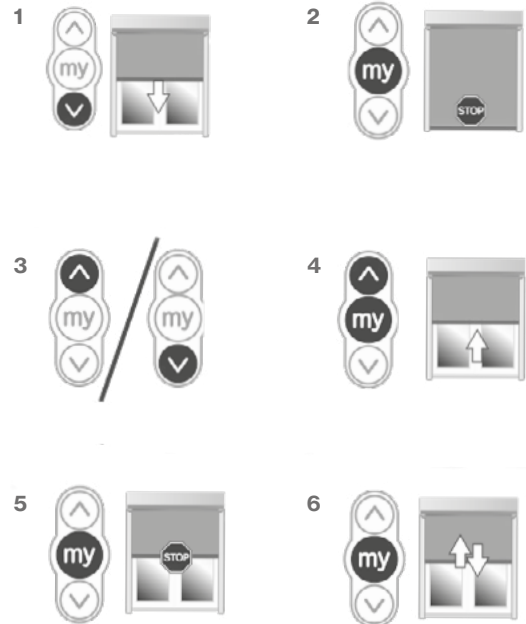
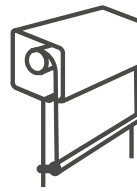
Lower limit switch setting

Do not use the “My” and lowering buttons simultaneously to reach the lower limit switch.

1. Position the screen in the lower limit switch position.
If the lowering button is pressed for > 2 s, the screen will roll down continuously.
2. Stop the screen in the desired position.
3. If necessary, adjust the position of the screen using the raising and lowering buttons.
4. Simultaneously press the “My” and raising buttons: the screen will roll up continuously even after you stop pressing the “My” and raising buttons.
5. At mid position, briefly press the “My” button to stop the screen.
6. Press the “My” button again until the screen moves: the limit switches are now registered, continue to the chapter entitled “Registration of the first Somfy io local control point”.

Settings check

Check the settings of the upper and lower limit switches with the Somfy io local control point.



6. Use

6.1 Standard use

1. Favourite position (“My”)

Definition

The motor can register an intermediate position named “favourite position (My)” that is different to the upper and lower limit positions.

To register, modify or delete the favourite position (“My”), consult the “Additional settings” chapter.

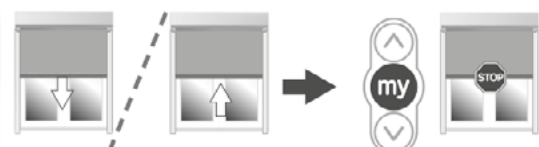
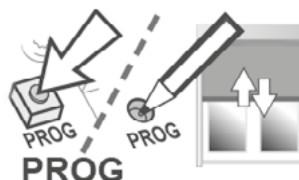
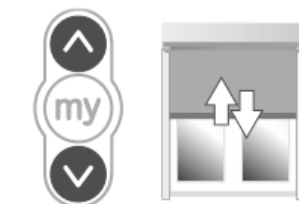
To use the favourite position (“My”):
Briefly press the “My” button: the screen will start moving and will stop in the favourite position (“My”).

2. STOP Function

The screen is moving. Briefly press the “My” button: the screen stops automatically.

3. Raising and lowering buttons

If you briefly press the raising or lowering button, the screen raises or lowers completely.



6.2 Use with a Somfy io sensor

1. Use with a Somfy io solar sensor (Sunis WireFree™ io)

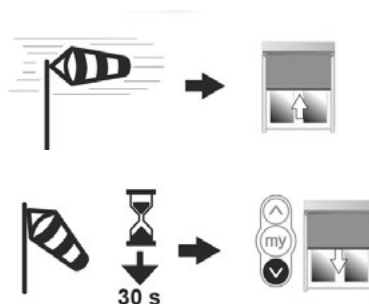
Consult the relevant guide.

2. Use with a Somfy io wind sensor (Sunis Eolis WireFree™ io)

Consult the guide for the Somfy io wind sensor for further information about its use.

3. Behaviour of the screen in windy conditions

When conditions are windy, the screen will start to move to reach the upper limit switch. It is impossible to impede the raising of the screen and make it lower itself while conditions are windy.



4. Behaviour of the screen in non-windy conditions

Once the wind stops, the control point can transmit a manual descent command after 30 seconds. Notwithstanding, all the automatisations will still remain blocked for 11 more minutes.

5. Feedback

After each order, the Sunea io sends a message. This response is handled by the bidirectional io control points.

7. Additional settings

7.1 Favourite position ("My")

1. Registering or modifying the favourite position ("My")

The processes of registering and modifying the favourite position ("My") are the same.

- 1) Place the screen in the favourite position ("My") desired.
- 2) Press the "My" button until the screen moves: the favourite position ("My") will be registered.



1.1 Deleting the favourite position ("My")

- 1) Press the "My" button: the screen will start moving and will stop in the favourite position (My).
- 2) Press the button again until the screen moves: the favourite position ("My") will be registered.

7.2 Addition or deletion of control points and local control point

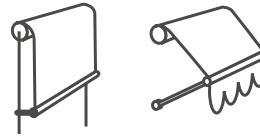
Consult the relevant guide.

7.3 Modification of limit switches

The modification of the limit switches depends on the type of screen.

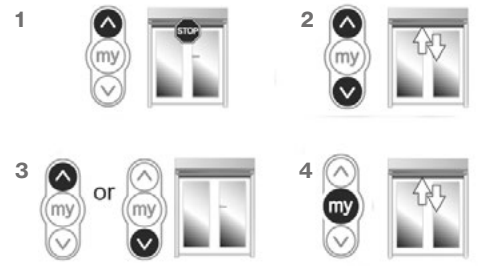
7.3.1 Modification of vertical screens without top stops and screens with side arms

In the case of vertical screens without top stops or screens with side arms without end caps, the 2 limit switches can be modified.



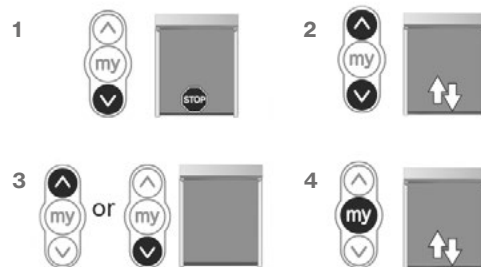
Resetting the upper limit switch

- 1) Place the screen in the upper limit switch position.
- 2) Press the raising and lowering buttons simultaneously until the screen moves: the motor is now in setting mode.
- 3) Set the upper position of the screen using the raising and lowering buttons.
- 4) Press the "My" button again until the screen moves: the new upper limit switch has been registered.



Resetting the lower limit switch

- 1) Place the screen in the lower limit switch position.
- 2) Press the raising and lowering buttons simultaneously until the screen moves: the motor is now in setting mode.
- 3) Adjust the lower position of the screen using the raising and lowering buttons.
- 4) Press the "My" button again until the screen moves: the new lower limit switch has been registered.



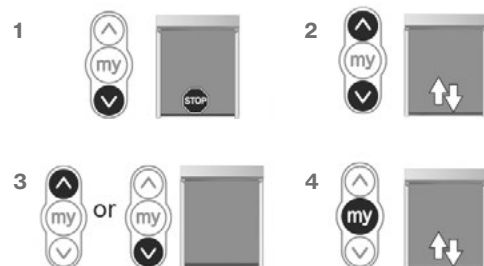
7.3.2 Modification for vertical screens with top stops only

In the case of screens with top stops (stopping the loading bar on the end plate), the upper limit switch is automatically set while the lower limit switch can be changed.



Resetting the lower limit switch

- 1) Place the screen in the lower limit switch position.
- 2) Press the raising and lowering buttons simultaneously until the screen moves: the motor is now in setting mode.
- 3) Adjust the lower position of the screen using the raising and lowering buttons.
- 4) Press the "My" button again until the screen moves: the new lower limit switch has been registered.



7.4 Advanced functions

Contact the screen manufacturer before using these functions to check the compatibility of its installation.

7.4.1 The “Back release” function, for vertical screens with top stop only

This function allows the tension in the canvas to be released after closing screens with upper stops (stopping the loading bar on the end plate).

The procedure for activating or deactivating “Back release” is the same.

For safety reasons, this function can only be activated or deactivated using the control point in 3 cases:

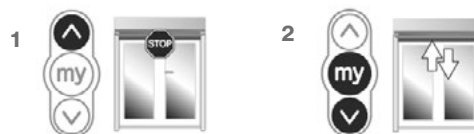
- After the 2 s stop confirming the settings and before recording the first Somfy io control point.
- After recording the first Somfy io control point and during the following 4 cycles.
- After a cutting-off of power supply and during the next 4 cycles.

To install this function:

1) Place the screen in the upper limit switch position.

2) Simultaneously press the “My” and lowering buttons until the screen moves.

- The “Back release” function is activated if it is inactive.
- The “Back release” function is deactivated if it is active.



7.4.2 The “Closing force” function, for vertical screens with top stops only

This function allows the user to increase or reduce the force of the loading bar on the end plate on 3 levels (high-medium-low).

By default, the motor comes from the factory at the medium level.

For safety reasons, this function can only be accessed from the Somfy io control point in 3 cases:

After the 2 s stop confirming the settings and before recording the first Somfy io control point.

After recording the first Somfy io control point and during the following 4 cycles.

After a cutting-off of power supply and during the next 4 cycles.

To install this function:

1) Place the screen in the middle position.

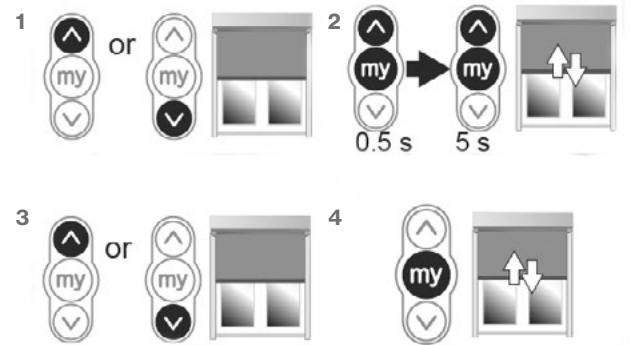
2) Briefly and simultaneously press the “My” button and the raising button followed by a simultaneous sustained pressing of the “My” and raise buttons until the screen moves.

The motor is in programming mode for only 10 s.

3) Set the closing force using the raising and lowering buttons.

- To increase the closing force, press the raising button until the screen moves slowly: the closing force of the cassette screen moves up a level.
- To reduce the closing force, press the down button until the screen moves slowly: the closing force of the cassette screen moves down a level.

4) Press the “My” button again until the screen moves: the new closing force has been registered.



8. Tips and tricks

8.1. Do you have any questions about the Sunea screen io?

Problem	Possible causes	Solutions
The fabric moves to one side	The cabling is incorrect	Check the cabling and modify it if necessary
	The motor is too hot	Wait for the motor to cool down
	The cable used is incorrect	Check the cable used and make sure it has 3 wires
	The Somfy io control point battery needs replacing	Check the battery and change it if a new battery is needed
	The control point is incompatible.	Check compatibility and change the control point if necessary
The terminal does not lower	The io control point used is not stored in the motor	Use the registered control point or register this control point
	The crown is positioned incorrectly	Mount the crown correctly
	The limit switches are incorrectly programmed	Set the limit switches again

8.2. Replacing a lost or damaged Somfy io control point

Consult the relevant guide.

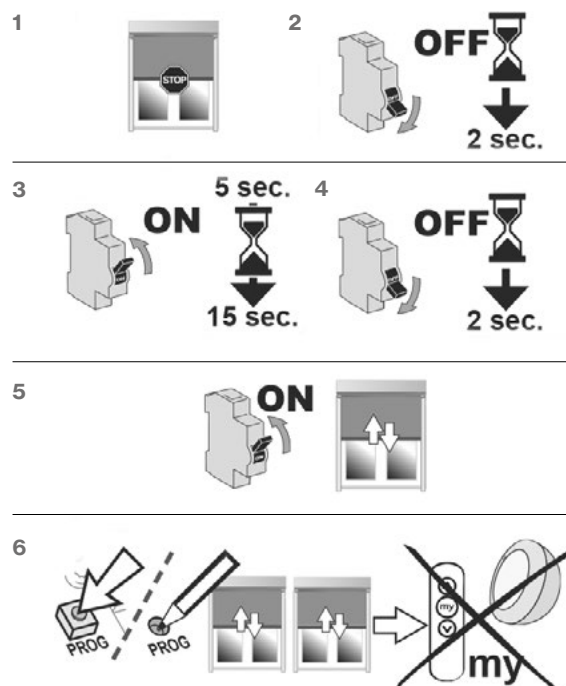
! Important

The double power cut-out should only be carried out on the motor to be reset.

8.3. Restoring to original settings.

This restoration eliminates all RTS command points, RTS sensors, all limit switch settings and resets the direction of rotation and the favourite position ("My") of the engine. Therefore, the configuration of the advanced functions ("Back impulse") will be maintained.

- 1) Place the screen in the middle position (if possible).
- 2) Disconnect the electrical power source for 2 seconds.
- 3) Re-connect the electrical power source for between 5 and 15 seconds.
- 4) Disconnect the electrical power source for 2 seconds.
- 5) Re-connect the electrical power source: the screen will move for a few seconds.
If the screen is in the upper or lower limit switch position, it will move briefly.
- 6) Keep the PROG button pressed down: the screen makes an initial movement and another a few moments later. The motor has now reverted its the factory configurations.
- Repeat the process detailed in the chapter entitled "Start-up" chapter.



9. *Technical data*

Radio frequency	868-870 MHz io-homecontrol® bidirectional triband
Power source	230 V ~ 50 Hz
Use temperature	-20 °C a +70 °C
Protection index	IP 44
Maximum number of control points and associated sensors	9
Security level	Class I

Disassembly and disposal of the packaging and components of the product at the end of its useful life

Disposal of packaging

Important

The packaging must be recycled by the authorised professional who installed the product.

We advise you to recycle the product packaging responsibly:

- Please dispose of this waste in accordance with the current regulations:
 - Directive 94/62/EC on packaging and packaging waste.
 - Spanish Law 11/1997 of April 24th on packaging and packaging waste.
- Please sort the waste by separating each and every one of the various materials, to facilitate effective disposal of the packaging.
- Do not dispose of packaging materials together with other types of waste. Take them to a packaging materials collection point designated by the local authorities.
- In order to minimise the environmental impact of packaging and packaging waste, it is necessary to define the composition and nature of the packaging of our products to recommend their best disposal.

Our commitment to the environment

One of **Saxun's** objectives is to maintain socially responsible behaviour. This commitment to the environment implies continuous improvements in the measures that are adopted to combat climate change.

Promoting responsible care of the environment, complying with the legal and regulatory requirements applicable to our products and promoting energy saving in all our projects are measures that are essential for us to achieve our objectives.

Paper and cardboard:

In waste management, the recycling of paper and cardboard plays an important role, because up to 70% can be reclaimed. The disposal of paper and cardboard can be done through various channels such as collection by private operators or delivery to waste treatment plants.

Plastic:

The recycling of plastics has many advantages for the environment and therefore benefits the quality of life of everyone, contributing to a greater saving of raw materials as well as natural, energy producing and economic resources. The disposal of plastic can be done by private operators or delivered to waste treatment plants.

Bubble wrap:

This is made of low density poly-ethylene, which makes it 100 % recyclable. For optimal disposal, please deliver any waste comprising this material to plastic waste treatment plants.

Disassembly and removal of the product

Important

The disassembly of the product at the end of its useful life must be carried out by qualified personnel, and in order to carry it out, the reverse steps that were carried out for its assembly must be performed.

When disassembling this product, a number of precautionary measures must be taken. Observe the following warnings and instructions. Please contact your supplier with any queries.

Disassembly may only be carried out by experienced fitters. This manual is not intended for DIY enthusiasts or installers in training.

For more information on these disassembly instructions, please refer to the chapters regarding installation in this manual that contain diagrams and detailed information.

**Important**

Always act with care. Use appropriate tools which are in perfect condition.

• Step 1

Attach the safety strips to the arms when they are almost closed (open just enough to be able to work).

• Step 2

Loosen the screws that secure the awning to the supports, and remove the awning.

• Step 3

Loosen and remove the screws that secure the arms to the terminal profile strips.

• Step 4

Loosen the screws that fix the arms to the mobile cassette supports, remove the solid shafts and then remove the arms.

• Step 5

Loosen the screws that secure the point support to the supports.

• Step 6

Loosen the screws that secure the motor support (or machine) to the mobile support and the motor (or machine).

• Step 7

Detach the fixing supports.

• Step 8

Loosen and remove the screws that attach the mobile support to the motor and remove the mobile supports.

• Step 9

Uncouple the upper profile from the box.

• Step 10

Remove the winding tube from the cassette profile.

• Step 11

Loosen the screws that secure the terminal covers to the terminal and remove the strips.

• Step 12

Detach the canvas from the terminal profile.

• Step 13

Loosen and remove the screws and studs that fix the canvas to the winding tube and remove the canvas.

• Step 14

Remove the mat from the cassette profile.

• Step 15

Lastly, loosen and remove the anchors that fix the wall-to-wall supports.

**Important**

Ensure that you dispose of all pieces of the product taking into account the nature of its materials.

Components	Galvanised Steel	Stainless Steel	Aluminium	RAEEs	Plastic	Textil
Profiles			•			
Screws		•				
Axle	•					
Motor				•	•	
Motor supports			•			
Supports			•			
Set of arms			•		•	
Terminal plate			•			
Canvas						•

Our products are mainly made of recyclable materials. It is advisable to be informed about the recycling or disposal systems provided for in the current regulations in your country for this product category.



Important

- Always act with care. Please only use suitable tools that are in perfect condition.



This symbol means that the product must not be disposed of together with household waste as it must be collected separately for recovery, reuse or recycling in accordance with local regulations.



In compliance with Articles 4 and 13 Royal Decree 110/2015, of 20 February, on waste electrical and electronic equipment; Royal Decree 27/2021 of 19 January on batteries and accumulators and the environmental management of their waste, and Royal Decree 110/2015 of 20 February on waste electrical and electronic equipment, and Regulation (EU) 2023/1542 of the European Parliament and of the Council of 12 July 2023 on batteries and their waste, waste electrical and electronic equipment (WEEE) can become a serious environmental problem if not properly managed. The Directive provides the general framework valid throughout the European Union for the disposal and re-use of waste electrical and electronic equipment.

At the end of the service life of the electrical or electronic equipment, it must not be thrown away together with other types of waste. They can be delivered to the specific centres regulated for this purpose by the local authorities.

The effective separation of waste will avoid negative consequences for the environment and health that could result from poor waste management or inadequate waste disposal.



Important

By complying with this directive, you will be acting in favour of the environment and will contribute to the conservation of natural resources and the protection of health.

Local regulations may impose significant penalties for illegal disposal of the product.

The materials that our products are made of offer a great variety of environmental advantages



Galvanised steel

Galvanised steel is a type of steel which undergoes a certain treatment, at the end of which it is coated with several layers of zinc which protect it, avoiding oxidation. The recycling of zinc helps reduce demand for new materials and as a result generates considerable energy savings, being a metal that constitutes a very valuable and sustainable resource.

For proper recycling of galvanised steel, it is advisable to visit a metal waste collection centre.



Stainless steel

Stainless steel is an iron alloy containing nickel and chromium to protect against corrosion and rust. Its qualities include resistance to high temperatures and being a particularly strong material. Stainless steel is an infinitely recyclable "green material". Its properties make it ideal for exposure to poor weather conditions.

Therefore, to ensure proper disposal of stainless steel, it is recommended that this material be left at a specialised waste collection centre.



Aluminium

Aluminium recycling guarantees an endless variety of environmental benefits. The use of recycle aluminium saves 95% of the energy used in its production in its raw state, and it can be recycled as many times as desired and is fully recoverable. Therefore, the recycling of aluminium is both technically and economically profitable.

Therefore, to ensure proper disposal of aluminium, it is recommended that this material be left at a specialised waste collection centre..



Cables

The recycling of electrical cables prevents the contamination that can come from these elements. Its re-cycling allows for the subsequent use of the copper, aluminium and brass from the cables, once they are separated from their plastic insulation.

Electrical and electronic waste must be taken to clean points for proper recycling



PET



HDPE



PVC



LDPE



PP



PS



Other

Plastic

Plastic recycling provides a sustainable source of raw material for the industry. Its reuse also significantly reduces environmental problems, as it is a non-biodegradable material.

Recycling reduces energy consumption and CO₂ emissions, thus mitigating pollution and climate change.

There are several types of plastic, so to achieve optimal recycling it is essential to deposit them in clean points where the separation of the different types and their identification will take place.



Textiles

The use of textile waste is essential when we talk about recycling. Reuse of such waste helps to reduce the consumption of water and the gases that are released in the manufacturing process.

In order to encourage the proper disposal of textiles, it is recommended that they be left at a specialised waste centre where the different textile fibres will be separated.

! Important

Follow the recommendations for effective product recycling. Remember that recycling is more than an action; it is the value of accepting responsibility

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by Giménez Ganga

Giménez Ganga, S.L.U.
Polígono Industrial El Castillo
C/ Roma, 4 • 03630
Sax (Alicante) • España

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