

TECHNICAL AND OPERATIONAL DOCUMENTATION

ASSEMBLY INSTRUCTIONS,

OPERATION AND SAFE USE
(original instructions)

11. Awnings
11.10 Balcony awning **ITALIA**



PRODUCT NAME:

- SUNSHADE
BALCONY AWNING ITALIA

THE PRODUCT MANUFACTURER'S DESIGNATION:

- Manufacturer name:
SELT Sp. z o. o.
KRS 0000589791, share capital: PLN 64,000,000
NIP: 7543103311, REGON: 363154414, BDO No. 000009177
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PRODUCT SAFETY MARKING:

The product meets CE safety requirements.

THIS TECHNICAL AND OPERATIONAL DOCUMENTATION:

- is valid from: 01 June 2024.
- applies to the product versions marked above.

TABLE OF CONTENTS

TABLE OF CONTENTS 3

1 Introduction 4

 1.1 Product safety notes 4

 1.2 Explanation of symbols and marks 4

 1.3 Terms and definitions 5

 1.4 Subject, purpose and content of the documentation 5

2 Technical product information 6

 2.1 Technical specifications 6

 2.2 Product characteristics 6

 2.3 Construction of the Italia awning 7

3 Transport and storage of goods 8

 3.1 Completeness and quality condition of the delivery 8

 3.2 General conditions for transport and storage of the product 8

 3.3 Descriptions that must mandatorily appear on the product packaging. 8

4 Assembly of the product 9

 4.1 Requirements for the safe installation of the product at height 9

 4.2 Preparation for assembly 9

 4.3 General product installation guidelines 10

 4.4 Assembly tools 11

 4.5 Assembly 11

 4.5.1 Italia awning installation - wall brackets 11

 4.5.2 Installation of Italia awning - installation of arm bracket in recess 17

 4.6 Electric drive 17

 4.6.1 Connection to the electrical system 17

 4.6.2 Control 18

 4.6.3 Commissioning and adjustment 18

 4.7 Manual drive 19

5 System operation and product safety 19

 5.1 General health and safety requirements 19

 5.2 Safety requirements related to specific conditions and locations of use of the product 19

 5.3 Operating safety 20

 5.4 Control of safe use of the product 21

6 Use and maintenance of the product 22

 6.1 Intended use of the product 22

 6.2 Instructions for non-experts 22

 6.3 Technical inspections, maintenance and repairs 22

 6.4 Use of awning fabrics 23

7 Exclusions from liability 25

 7.1 Exclusions from liability 25

8 Complaint/technical defects 27

 8.1 Claims (manufacturer's warranty) 27

 8.2 Technical defects 27

9 Disassembly / disposal / decommissioning of the product 28

10 CE marking and labelling of the product 29

 10.1 CE conformity of the product 29

 10.2 Information accompanying the CE marking 29

1 INTRODUCTION

1.1 PRODUCT SAFETY NOTES

The product has been manufactured in accordance with the latest technical knowledge in design and manufacturing technology and complies with the safety requirements in accordance with the following standards.

The safe design of the product has been achieved through:

Lp.	Subject	European legal basis	Polish Legal Basis
1	External curtains and awnings. Performance requirements including safety	EN 13561:2015	PN-EN 13561:2015
2	Construction products (CPR)	Regulation 305/2011 of the European Parliament and of the Council	Act of 16.04.2004 on construction products (Journal of Laws 2021 item 1213), as amended.
3	Essential requirements for machinery	Directive 2006/42/EC of the European Parliament and of the Council	Regulation of the Minister of Economy of 21.10.2008 on essential requirements for machinery (Journal of Laws 2008 No. 199 item 1228), as amended.

Related documents: Declaration of Performance, Declaration of Conformity (motor products only) and instructions for installation, use of motors and control.

1.2 EXPLANATION OF SYMBOLS AND MARKS

The following symbols (pictograms) indicate particularly important hazard and safety information.

Pictogram	Meaning of the pictogram	Information
	INFORMATION	Before using the product, please read the instruction manual Compliance with the operating instructions is a condition: - failure-free operation of the product, - intended use, - to retain entitlements under, inter alia, the guarantee. For the safety of persons, keep the instructions.
	INFORMATION	No harmful or hazardous consequences for people or objects.
	NOTE !	Situation likely to cause damage to the product or requiring action by the user. No risk to humans.
	DANGER !	This symbol indicates all safety information, the non-observance of which poses a risk to life or health of persons. Danger to life or health. Risk: danger of serious injury or death. Dangerous operation that may cause injury or damage to the product.
	WARNING!	Risk to health or life through electric shock.
	ENVIRONMENT	Marking of electrical or electronic equipment subject to collection at designated points.

1.3 TERMS AND DEFINITIONS

Terms and definitions used in this documentation mean:

MARQUISITE: Window and balcony **awnings**, as external sun shades installed outside the building, are used exclusively for shading and covering window niches, balconies, shop windows, terraces and verandas. The awning fabric is extended and retracted using an electric or manual control mechanism.

MARKISH WOVEN: a part of the product which not only serves as protection from the sun, but also as a decorative element. Made from high-quality materials, it is set in motion using an electric or manual control mechanism, ensuring that the product fulfils its function.

1.4 SUBJECT MATTER, PURPOSE AND CONTENT OF THE DOSSIER

The products manufactured by **SELT Sp. z o.o. are** the subject of this documentation.

The documentation applies to all types of ITALIA balcony awning.



The operating and safety instructions, together with the engine manual, must be handed over to the end user.

IMPORTANT SAFETY INSTRUCTIONS
WARNING - FOLLOWING THESE INSTRUCTIONS IS ESSENTIAL
FOR THE SAFETY OF PERSONS
KEEP THIS INSTRUCTION



The documentation is valid together with the product-specific information available at www.selt.com.

The documentation includes:

- Important recommendations for the installation, use and maintenance of the product.
- Important recommendations for transport and storage.
- Guidelines to be followed to ensure many years of trouble-free operation of the product.

SELT will not be liable for damages resulting from failure to follow the recommendations in this documentation.

In order to further improve the product, SELT reserves the right to make changes which, while maintaining the essential technical parameters, are deemed advisable to increase the quality of the product's handling and safety of use.

The copyright for this documentation remains with SELT Sp. z o.o. in Opole. Without permission, the documentation may not be used, either in part or in whole, for competitive business or made available to third parties.

2 TECHNICAL PRODUCT INFORMATION

The technical product specification is available by logging on to www.selt.com.

2.1 TECHNICAL SPECIFICATIONS

BALCONY AWNING ITALIA	
Overhang:	1.0 m; 1.4 m; 1.8 m
Maximum reach	1,8 m
Minimum width	30 cm
Maximum width	5,0 m
Winding tube diameter	70 mm
Arms	Lowered, aluminium, with spring
Tilt angle	0° - 160°
Canopy optional	Not
Manual drive	Crank 1.5 m; 1.8 m; 2.2 m
Automatic drive	Motor, motor with emergency manual retraction, remote control transmitter, wind-sun weather automation
Colour of construction	White, beige, brown, structured graphite, silver
Fabric	Approx. 150 designs
Falbana*	3 shapes according to the template - pitch and shape modulus D and C variable due to different system widths; standard height 21 (±0.5 cm), max. non-standard height 40 (±0.5 cm) or straight height 50 (±0.5 cm)
Application	External
Mounting brackets	Wall, ceiling, recess

* - in the case of a non-standard valance over 21 cm, there is a likelihood of abrasion/damage due to its greater length (e.g. rubbing against the façade, greater susceptibility to wind impact, etc.).
 - in type C and D valances, depending on their width and the type of fabric, technology may result in a lack of a 'wave' effect at its ends.



The dimensional tolerance of the awning width is ± 2 cm

Differences in colour shades are permissible for technological reasons and cannot be the basis for complaints.

Detailed data on the performance of individual engines is available on the engine manufacturers' websites and on the website:

www.selt.com → OUR OFFER → AUTOMATICS



The optional use of weather automatics further protects the product from changing weather conditions.

2.2 PRODUCT CHARACTERISTICS

The products manufactured by SELT have excellent technical and performance characteristics.

They are characterised by the following features:

- They provide excellent sun protection for areas such as terraces, balconies.
- Protect against intense sunlight.
- They are aesthetically pleasing, durable and robust structures.
- Thanks to their simple design and robustness, they are used in commercial areas.
- The motors have enclosure protection level IP 44, i.e. they are protected against splashing water onto the housing from any direction.
- Increased functionality through wind-solar automation and radio control.
- Awning fabrics manufactured on the basis of high-quality materials, coated with an impregnant that provides a protective barrier and increases resistance to dirt.

2.3 CONSTRUCTION OF THE ITALIA AWNING



3 TRANSPORT AND STORAGE OF GOODS

3.1 COMPLETENESS AND QUALITY CONDITION OF THE DELIVERY

SELT Sp. z o. o. makes every effort to ensure that the goods conform to the order. However, it is up to the Purchaser to check the completeness of the product and this should be done at the time of receipt.

Any discrepancies should be reported immediately to the driver/warehouseman/assembly team and noted on the acceptance report or on the WZ document under pain of losing any claims.

Quality checking for overt defects is the responsibility of the Purchaser and should take place at the time of acceptance of the goods. Overt defects are considered to be mechanical damage, scratches, cracks, etc.

SELT Sp. z o.o. undertakes to replenish or replace any parts with obvious defects as quickly as possible.

3.2 GENERAL CONDITIONS FOR TRANSPORT AND STORAGE OF THE PRODUCT

List:

- The product is pre-packed in a cardboard box to prevent damage during storage, during transport and during movement to the final installation site.
- Transport/storage products should be positioned in accordance with the arrows on the product packaging.
- Products should not be stored in more than 2 layers due to the possibility of the packaging being crushed, which may result in permanent damage to the product.
- Products placed on the means of transport must be secured against displacement and damage during transport (e.g. spacers, safety belts, etc.).
- During transport, the products must be protected from rain or snow.
- Storage areas should be dry, ventilated and protected from the harmful effects of the weather (sun, rain, etc.).
- If the weight of the product exceeds 25 kg, its handling to the final assembly site must be carried out by at least two people.

3.3 DESCRIPTIONS THAT MUST MANDATORILY APPEAR ON THE PRODUCT PACKAGING.



Before installing and using the product, carefully read the technical and user documentation available at www.selt.com/dte-pl.

4 ASSEMBLY OF THE PRODUCT

This chapter contains the general requirements for the installation of the product. Correct assembly is a prerequisite for the smooth functioning of the product. SELT recommends the use of specialised installation teams, which guarantee the correct installation to the purchaser.

General requirements for safe installation

- The general rules of the art of construction must be observed.
- Observe the applicable health and safety regulations, especially those concerning the safety of working with electrical equipment and working at heights.
- The product must be fixed mechanically (foams, adhesives or similar materials are not permitted as fixing materials).
- The product should be fixed to permanent building elements (walls, lintels, steel structure, aluminium structure, window joinery).
- The base to which the product's wall and ceiling brackets will be attached should be a secure structure (concrete, brick, etc.).
- The product must not be fixed to elements that do not provide adequate load-bearing capacity.
- Installation shall be carried out to even, dry masonry surfaces of adequate strength, executed in accordance with the general rules of the building trade.
- In the case of metal structures joined together in accordance with the current rules for joining metals, assembly is carried out to materials with the appropriate wall thickness.
- All unnecessary components must be removed from the installation zone before installation.
- Before installation, all mechanisms not necessary for the operation of the drive should be disabled.

- **Information table for the substrate to which the substructure is to be mounted**
- The product should be mounted to a substrate with the right parameters or a substructure with the right parameters.
- The aforementioned requirements for the substrate and substructure require the assessment of a specialist and are the responsibility of the developer and contractor.
- Other installation methods than those suggested by SELT are possible, provided that the requirements of building and safety knowledge are observed. In any case, this requires specialist knowledge and is done at the risk of the builder or contractor.
- It is recommended that arrangements be made in this regard with an authorised designer.

4.1 REQUIREMENTS FOR THE SAFE INSTALLATION OF THE PRODUCT AT HEIGHT



The assembly of the product is particularly dangerous as it involves work at a height and poses a particularly high risk to human health and safety, in particular falls from height.

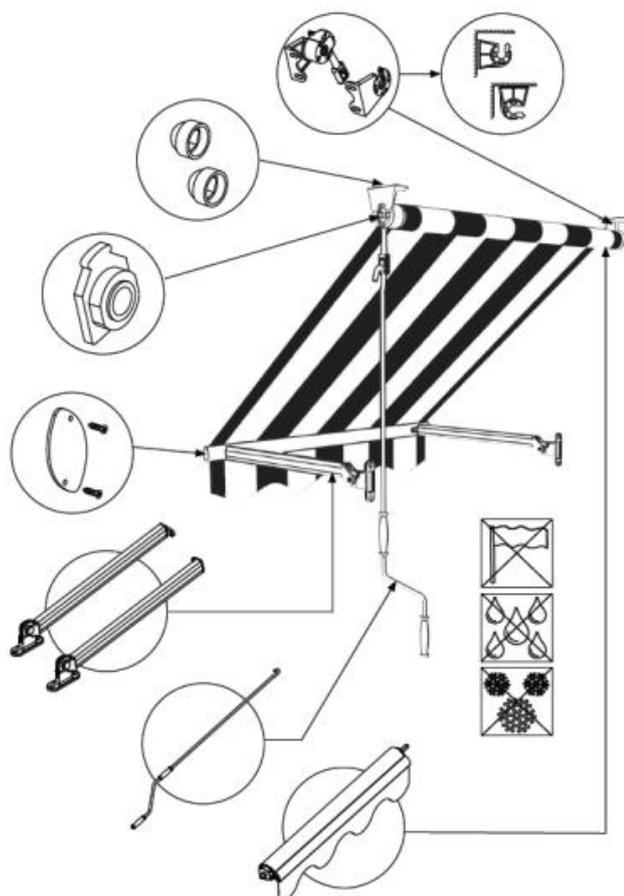
The Purchaser is obliged to carry out the assembly process in accordance with the health and safety regulations currently in force for the country concerned. It is the responsibility of the Purchaser to draw up a health and safety plan during installation. During installation, the Purchaser shall comply with the health and safety regulations relating to work at height, in particular:

- direct supervision of their execution by persons designated for this purpose (e.g. works manager, foreman),
- appropriate safety measures, primarily fall protection equipment,
- detailed instruction of workers performing work at height,
- the need to use: ladders with appropriate quality and safety certificates, scaffolding, safety brackets, platforms with adequate strength for the anticipated load.

Work at height where personal fall protection equipment is required must be carried out by at least 2 people.

4.2 PREPARATION FOR INSTALLATION

- unpack the product and check that all the components necessary for its installation are present,
- before installation, check that the substrate has sufficient load-bearing capacity for safe installation and operation,
- prepare a set of the necessary tools for self-assembly.



4.3 GENERAL GUIDELINES FOR ASSEMBLING THE PRODUCT

- To avoid the risk of damaging hands and fingers when opening and closing the awning, it should be installed at such a height from the ground that when it is opened the lowest part of the awning is at least 2200mm from the ground,
- protect the product from contamination (e.g. mortar, installation foam, silicone) as this may damage it,
- The use of chemicals for installation which contain bituminous or other components that react with the awning components is not permitted,
- if the awning is installed in public areas such as hospitals, schools, boarding schools etc., the location of the switch/control unit must be marked according to health and safety regulations,
- when installing a remote-controlled awning, the mounting bracket for the control unit (remote control) must be installed out of reach of children,
- The electrical installation, initial programming of the awning drive and specialised servicing may only be carried out by specialist authorised companies.



The awning is packaged in bubble wrap as standard, protected in sensitive areas with polyurethane foam in a biodegradable film, and the whole is packed in a multilayer cardboard box in a position corresponding to the awning fixed to the wall. The awning must only be transported in this way. Any other form of transport may result in displacement of the spring brackets in the cassette and the appearance of dark stripes on the seam line of the cover.



Incorrect installation can contribute to dangerous situations for the user.

4.4 ASSEMBLY TOOLS

	<p>drills impact drill, ladder/scaffolding, screwdriver, hammer</p>	<p>measure, pencil/writer, spirit level, ring / open-end spanners Allen keys, anchors.</p>
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4.5 ASSEMBLY

Instructions for assembly, operation and safe use after logging in are available at www.selt.com.

4.5.1 MOUNTING OF THE ITALIA AWNING - WALL BRACKETS

SELT recommends the use of Fischer fixing products - selected according to the type of substrate. Proposed recommendations for selected substrates:

- a) **Wall and ceiling baffles for non-cracked concrete of class C20/25 and no higher than C50/60:**
 - M10x110 A4 anchors set in injection mortar (Fischer FIS A M10x110 A4 anchors in FIS V resin or equivalent product from another manufacturer are recommended).
 - Installation depth in concrete 80 mm
 - minimum distance of anchor axis from the edge of the substrate: min. 45 mm for M10 anchor.
 - minimum substrate thickness is 150 mm for M10 anchors
- b) **Shoulder deflections for uncracked concrete of class C20/25 and no higher than C50/60:**
 - M8x90 A4 anchors set in injection mortar (Fischer FIS A M8x90 A4 anchors in FIS V resin or equivalent product from another manufacturer are recommended).
 - embedment depth in concrete 77 mm
 - minimum substrate thickness is 150 mm for M8 anchors
- c) **for Porotherm wall with insulation max. 15 cm:**
 - Mini Thermax anchors - Fischer consultation
- d) **for solid brick or concrete wall with insulation max. 15 cm:**
 - Mini Thermax anchors - Fischer consultation

Wall and ceiling bracket	Wall arm bracket	Recess bracket

Wall and ceiling brackets should be installed extreme at both ends of the awning.

<p>1) Prepare assembly tools as listed.</p> 	<p>2) Start assembly by marking the mounting points for the handle on the drive side. Using a spirit level, mark the plumb line and then apply the handle and mark the mounting holes.</p> 	<p>3) Drill the holes at the marked locations.</p> 	<p>4) Fix the mounting anchors.</p> 
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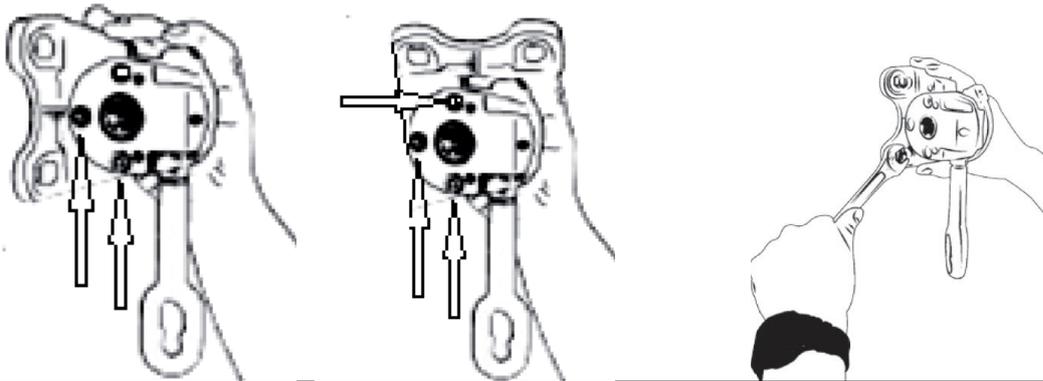
5) For a manually operated awning:

a) tighten the crank gear to the side against the handle with the crank eye facing downwards.

Install the M6x50 hexagon bolts included in the accessories on the gearbox side. On the outside, fit the flat washer fi6 and the self-locking washer 5.4 and the hexagon nut M6. After screwing, mask the outside of the nuts with M6 plastic caps.

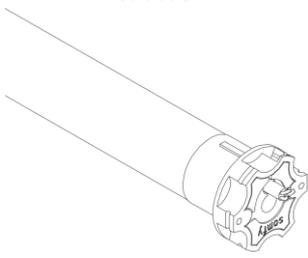
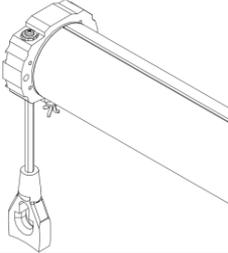
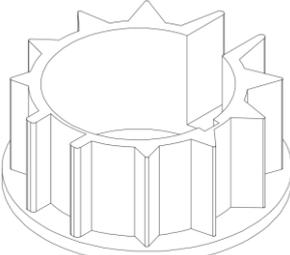
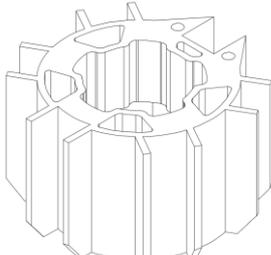
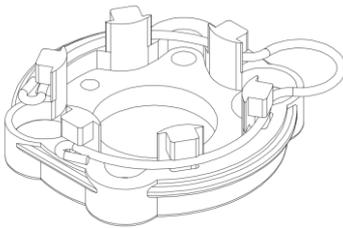
b) tighten the entire bracket to the anchors embedded in the wall

Note: use only 2 screws for wall mounting and 3 screws for ceiling mounting (see arrows).

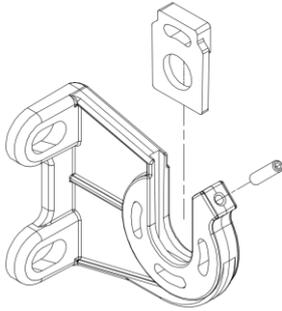


6) For the motorised awning:

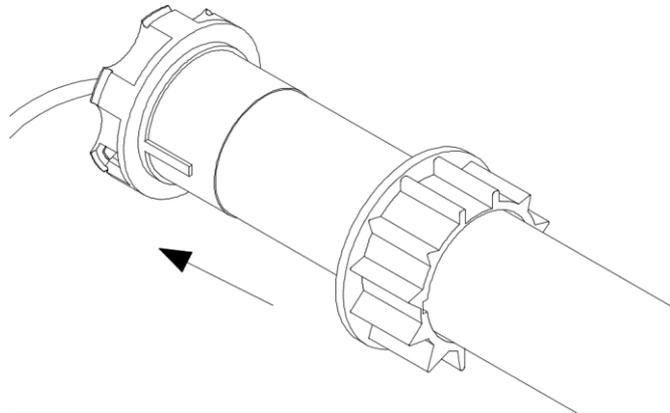
(a) the kit contains dissimilar components:

<p>Motor without emergency retraction</p> 	<p>Motor with emergency retraction (optional)</p> 	<p>Plate with hole and screw M6x30</p> 
<p>Adapter</p> 	<p>Adapter</p> 	<p>Mounting (with protection)</p> 

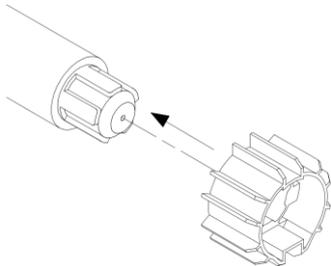
b) Insert a plate with a hole in the groove of the holder and lock it by tightening it diagonally with an M6x30 internal screw.



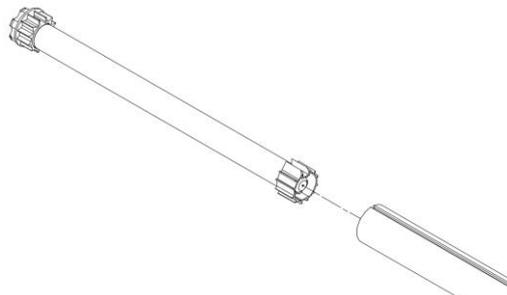
c) Slide the plastic adapter onto the motor housing on the side without the cable (with the peripheral disc towards the cable until the adapter groove engages in the metal recess on the motor housing).



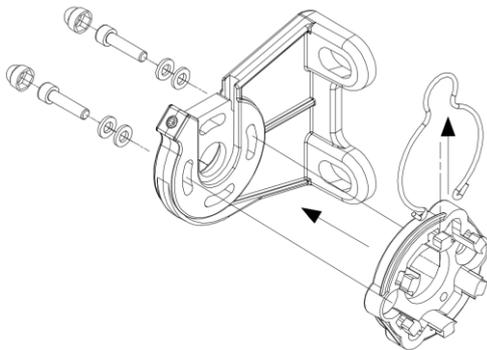
d) then, on the motor body, insert the driver into the end with the tabs, fitting the tab into the groove of the driver (the version with a standard winding has a metal driver).



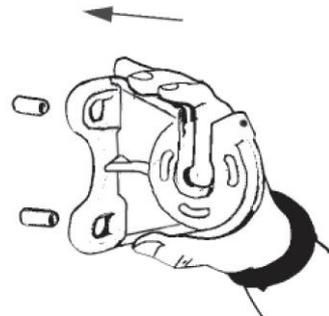
e) Insert the motor completely into the winding tube with the driver side.



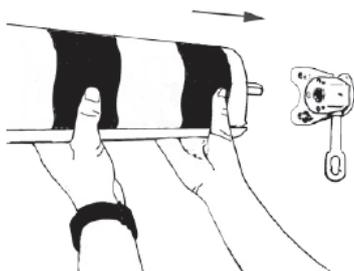
f) Screw the metal motor mount to the wall/ceiling bracket with plate from the inside after removing the locking rod. Fasten with 2 M6x25 cylindrical head screws with washer f16 and self-locking washer 5.4 and nut M6.



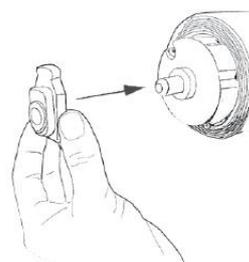
g) Attach the armed bracket to the anchors.



7) Fit the awning with a square pin onto the drive-side bracket (note for the motor, once it has clicked into place, the safety catch must be engaged)



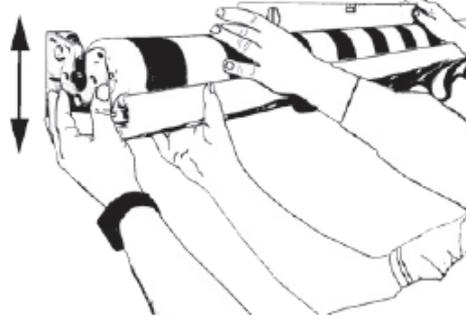
8) Fit a plastic plain bearing onto the end of the winding tube with round mandrel.



9) Place a second handle on the round pin with plain bearing.



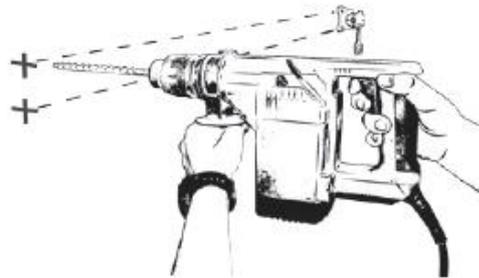
10) Using a spirit level, position the awning so that it is in one level (line).



11) Determine where to attach the second handle. Ensure that the handles are in one level (line).



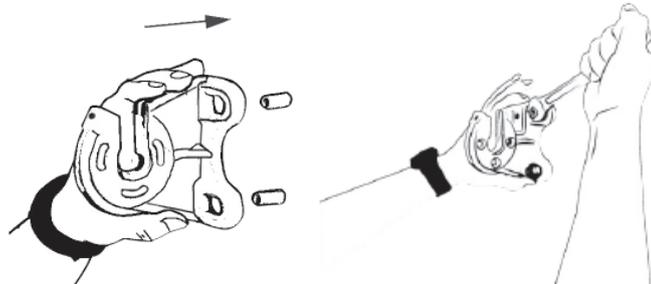
12) Remove the awning and drill the holes at the marked points.



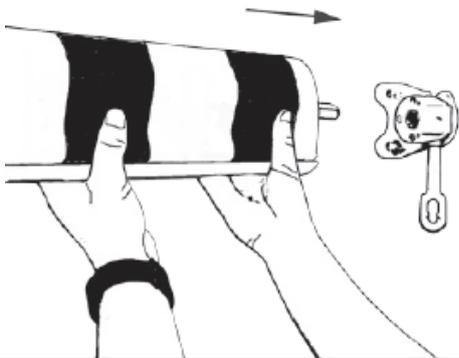
13) Fix the mounting anchors.



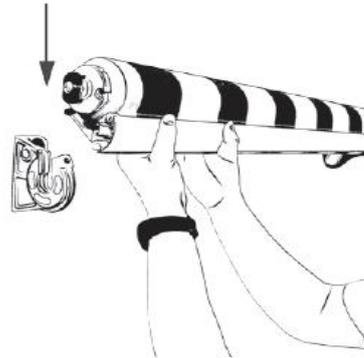
14) Screw on the handle.



15) Fit the awning with a square pin plug onto the drive side handle.



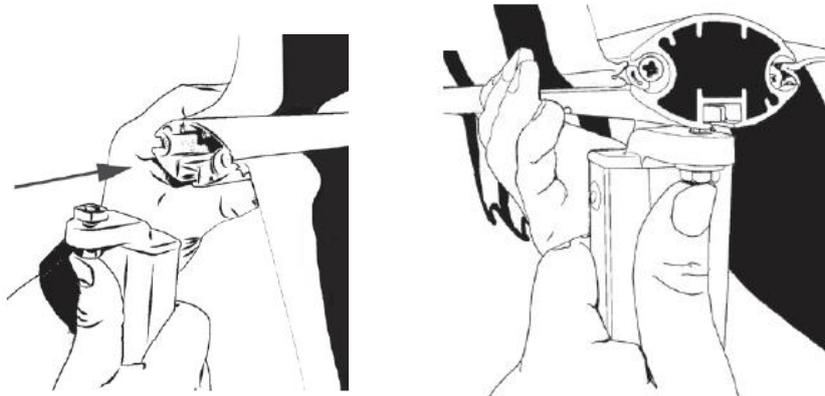
16) Slide the awning with round shank and plain bearing into the second holder and lock the bearing with an Allen screw.



17) Roll out the awning slightly.



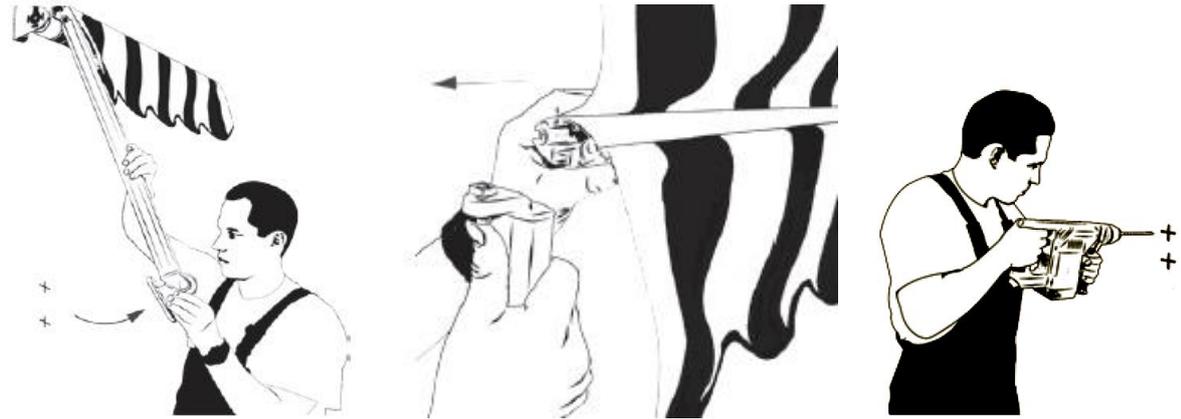
18) Slide the ends of the arms into the groove of the front beam one by one and secure them with screws.



19) Start assembling the arms by marking the attachment points of the arm brackets.



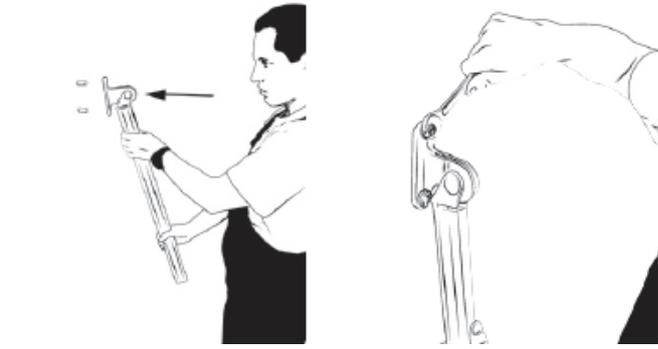
20) Unbolt the arm from the front beam and drill the holes at the marked locations.



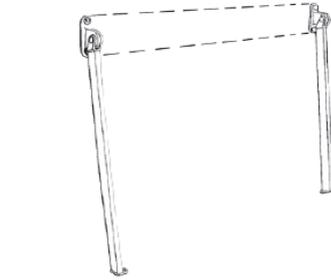
21) Fix the mounting anchors.



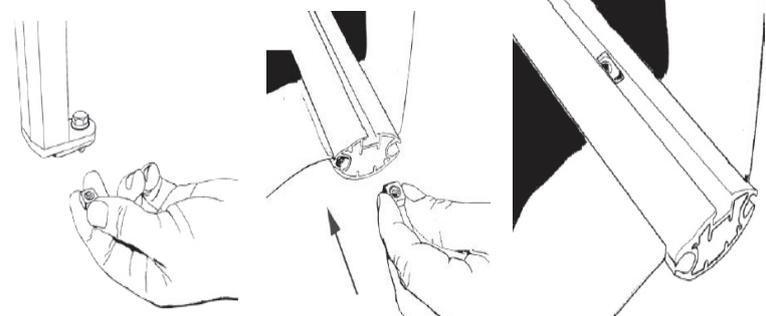
22) Fix the arm.



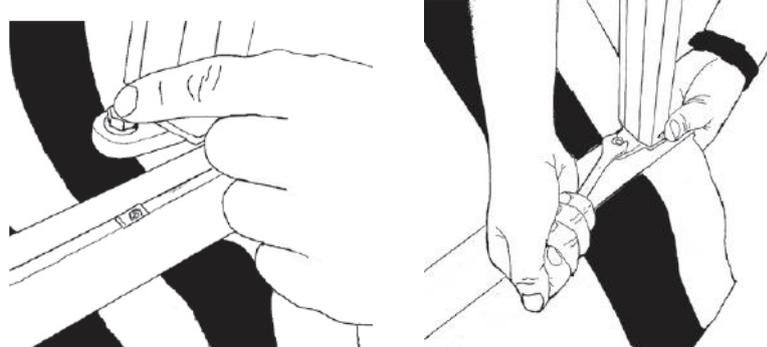
23) Maintaining the linearity of the handles, fix the second arm.



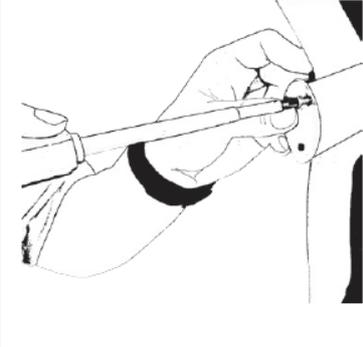
24) Unscrew the square washer from the end of the arm and slide it into the groove of the front beam.



25) Fix the end of the arms with the front beam (tighten the bolt with square washer).



26) Fasten the front beam caps with screws.



4.5.2 INSTALLATION OF ITALIA AWNING - INSTALLATION OF ARM BRACKET IN RECESS



- The arm bracket in the recess can be fixed with a recess bracket.
- The installation of the bracket must be carried out in the same order and by the same means as the wall brackets.
- Pay particular attention to ensure that the brackets to be installed are in alignment, i.e. at an equal distance from the wall.
- Attach the arm brackets to the recess brackets using M10x35 bolts, washers and nuts.

4.6 ELECTRIC DRIVE

Due to the specifications of the system and the fact that the motor can only be fitted to the awning when the brackets are installed, the electric drive is supplied in a package for self-assembly and programming according to the manufacturer's instructions.

The connection should be made by an electrician with relevant electrical qualifications and professional experience. The connection should be made on the basis of a previously prepared individual wiring diagram and in accordance with the motor's DTR. Individual or group control from a single or multi-channel remote control is possible.

Programming of the transmitters and receivers must be carried out in accordance with the installation instructions supplied with the motors.

When commissioning the awning, particular attention must be paid to the correct unwinding and retraction of the fabric and to the correct operation of the limit switches in the motor.

List of activities:

- connection to the electrical supply system,
- connection to the electrical, control system.

4.6.1 CONNECTION TO THE ELECTRICAL SYSTEM

Once the awning has been installed, the drive and control system can be connected to the pre-treated electrical supply and control systems. The connection to the electrical supply system should be carried out according to an individual wiring diagram, taking into account the principles of electric shock protection.

The connection must take into account the environmental conditions in which the product will be used. The connection must be made by an electrician with electrical qualifications.

The electrical connection and adjustment of the motors must be carried out in accordance with the motor manufacturers' instructions.

The instructions are enclosed with the product and are also available on the motor manufacturers' websites:

www.selt.com → OUR OFFER → AUTOMATION

Environmental conditions with increased risk:

Hazardous environments include bathrooms and showers, kitchens, garages, cellars, saunas, pet enclosures, hospital operating theatres, hydrothermal pumps, heat exchangers, spaces enclosed by conductive surfaces, camping sites, open areas, etc.

In rooms and spaces where there are conditions of increased risk, automatic devices should be used to switch off the power supply to the faulty product, e.g. residual current circuit breakers. It is recommended to use in bathrooms, kitchens, garages and cellars. It is compulsory to use around swimming and shower pools, saunas, on construction sites, when supplying power to outdoor equipment, on agricultural and horticultural farms, in camping and leisure vehicles and in rooms at risk of fire.

Residual current circuit breakers are only a supplement to direct contact protection, they cannot be the only means of protection. Their function is to supplement protection when other means of protection against direct contact are ineffective or in the event of carelessness on the part of the user.

When connecting, account must be taken of the safety regulations in use, e.g. the minimum height from the floor at which electrical equipment can be installed.

General guidelines for safe connection:

- The connection must be made by an electrician with electrical qualifications and professional experience,
- Health and safety regulations must be observed when connecting,
- the electrical connection and adjustment of the motors must be carried out in accordance with the motor manufacturer's instructions supplied with the product,
- pay attention to the correct routing of the power cable at the entrance to the product in order to drain any water that may run down the cable.



Incorrect connection of the motor can damage the product or create a hazard.



The motors are fitted with thermal switches that shut down the drive after a few minutes of continuous operation to protect it from overheating. After being switched off by the thermal protection device, an appropriate amount of time depending on the motor type and ambient temperature (several minutes) must be waited before it can be restarted.

4.6.2 CONTROL

Programming of the control (assignment of remote controls, weather sensors and other controls) must be carried out in accordance with the control manufacturer's instructions enclosed with the product. For the use of motors, please refer to the separate operating instructions as well as the manufacturer's website.

The product may be damaged if the central control is not functioning properly.



A power cut or installation failure can cause the central control to malfunction.

Awning motors are not designed for continuous operation. The integrated overheating protection switches off the motor after a few minutes of continuous operation. The motor resumes operation after several minutes. This is the time required for the motor to cool down. This time is dependent on the ambient temperature.

4.6.3 COMMISSIONING AND ADJUSTMENT

Recommendations and actions:

- the end positions (up and down movement of the fabric) are protected by limit switches, which must be adjusted during installation,
- the person adjusting the limit switches should have electrical qualifications, knowledge and experience,
- The adjustment of limit switches must be carried out in accordance with the DTR of the motor,
- before commissioning the product, electrical measurements must be carried out by a qualified person,
- do not start the drive motor without checking that the product is correctly fitted,
- once the switch has been switched on, do not remove covers, side covers, lean on the product or leave tools on it,
- the effectiveness of the neutralisation of the product and the electrical installation must be checked at each new installation site.

When commissioning the awning, special attention should be paid to:

- correct unrolling and retraction of the awning with fabric,
- correct tripping of limit switches.



Unauthorised adjustment of end positions, by an untrained person, can lead to damage to the product.

4.7 MANUAL DRIVE

- Adjusting the angle of the awning is carried out using a crank.
- The lowered spring-loaded arms are responsible for tensioning the fabric.
- The 11:1 gearboxes do not have an anti-twist protection device (so-called mechanical stop).
- Pay attention to the fixed maximum angle of inclination of the awning.



Do not cause the awning fabric to be wound in the opposite direction (from the bottom of the roller tube), as this may cause it to come off the roller tube, damage the cover or malfunction of the awning.

5 SYSTEM OPERATION AND PRODUCT SAFETY

5.1 GENERAL HEALTH AND SAFETY REQUIREMENTS

- During transport, assembly and disassembly, as well as during handling, care and maintenance of the product, health and safety and environmental protection regulations must be observed.
- The product should only be maintained and repaired by trained and authorised persons.
- The purchaser of the product should ensure that persons entrusted with the day-to-day use, hygiene and maintenance of the product are familiar with the operating instructions and observe the instructions in all points.
- It is not permissible to clean the product in any way other than that described under "Inspection, maintenance, repair".
- All work must be carried out with due care taking into account safety requirements.
- Maintenance work and product repair should only be carried out when the product is disconnected from the electricity supply.
- Observe the markings on the product (e.g. pictograms, arrows indicating the direction of movement).
- Care must be taken to ensure that the markings are not covered by a layer of paint or damaged in such a way that they cannot be read.
- Modifications to the electrical design or changes to the configuration of the fittings may not be made without consulting the manufacturer or an authorised representative.
- Before using the product, read this documentation carefully.
- The switch should be mounted at a height that complies with national regulations for people with disabilities, preferably at a height of less than 130 cm.
- In the event of strong wind (exceeding the declared wind class) or heavy rain, the product must be retracted immediately - otherwise it will be permanently damaged.
- It is recommended that changes to the configuration of the fixtures are consulted with SELT.

5.2 SAFETY REQUIREMENTS RELATED TO THE SPECIFIC CONDITIONS AND PLACES OF USE OF THE PRODUCT

The special safety requirements apply, for children up to the age of 42 months. The special use requirements apply in all places where young children have access to or are likely to be. The special requirements for use also apply in all places where people with disabilities are present.



Before using the product, it is up to the Purchaser to carry out an individual risk assessment of its use with particular regard to the safety of children and people with disabilities.

When determining the performance requirements of a product, it is important to consider reasonably foreseeable conditions of use and potential hazards.



Do not allow children to play with the controls of the external curtain.
Keep the remote control device away from children.



Frequently inspect the installation for signs of wear or damage to the cables.
Do not use if repair is necessary.

5.3 OPERATING SAFETY



The product may only be used if there are no defects.

Recommendations and actions:

- The product is safe to use provided that the recommendations in the documentation are followed.
- Disconnect the product from the power supply before carrying out any work, unrelated to the maintenance and hygiene of the product, on the building façade.
- All work related to the inspection and repair of the product should be carried out by a suitably trained person with the required authorisations.
- Look out for any signs of wear or damage to electrical cables,
- If you notice signs of wear or damage to the electrical cables, do not use the product and immediately report the fault to the supplier.
- Keep remote control devices away from children,
- When extending or folding the arms of the product, pay particular attention that no object or person is in the working area of the product (in the space between the winding tube and the front beam),
- Avoid contact of the awning fabric with hot objects (e.g. heaters, cookers, irons, etc.).
- The use of motors with wind automation is recommended, closing the awning in the event of gusts of wind, but it must be remembered that wind automation will never protect the awning from the risk of damage from sudden gusts of wind exceeding the "closing" setting.

Prohibited activities

- It is not permitted to hold or hang or attach anything to the awning. This can cause damage to the system!
- Do not stay in the working area of the arms and fabric while the system is in operation.
- It is forbidden to use a product that does not comply with shock and fire safety requirements.
- It is forbidden to exceed the product operating parameters specified in the technical and operating documentation.
- It is forbidden to store sharp objects or protruding parts near the system, which may snag the front bar, arms or awning fabric.
- It is forbidden to use a defective or incomplete product (e.g. without a switch etc.). Use of such a product may cause damage to the product and endanger the health and life of the user.
- It is forbidden to carry out makeshift repairs,
- It is forbidden to use the product and the electrical installation without valid and required inspections and measurements,
- It is forbidden to remove the covers of the drive train and the electric motor.
- Do not touch moving parts when retracting or unrolling. This may cause crushing, cutting, pulling in, jamming between, for example, the front beam and the arm or other structural components of the system.
- There should be no obstructions within the working area of the system that could interfere with its operation or cause damage.
- Do not stay in the product's moving area while it is in operation.
- Do not expose the awning fabric to prolonged dampness.

Automatically controlled products may start up on their own. Make sure that no dangerous situation arises.

SELT Sp. z o.o. is not responsible for damage caused by improper use.



Operating the system out of sight can cause serious injury as well as damage to the system



Do not use the product in strong gusts of wind, snow, freezing rain as the product may be damaged or destroyed and may endanger persons in the vicinity (applies to products installed outdoors).

OPERATION IN FROSTY CONDITIONS MAY CAUSE DAMAGE TO THE PRODUCT

In the event of any malfunction of the product, the Supplier of the product must be notified immediately. Using a defective product and attempting repairs yourself poses a risk to health and life and may void the warranty.

5.4 CONTROL OF THE SAFE USE OF THE PRODUCT

The purchaser should:

- a) where the safe use of the product depends on the conditions in which it is installed, subject the product to:
 - initial inspection (after it has been installed and before it is put into service for the first time),
 - control when installed elsewhere.
- b) ensure that a product exposed to conditions causing deterioration of its technical condition, which may result in dangerous situations, is subjected to:
 - periodic inspections as well as examinations,
 - special checks in the event of possible deterioration of product-related safety as a result:
 - modification work,
 - natural phenomena,
 - extended standstill time,
 - dangerous injuries and accidents at work.

The above-mentioned checks can be carried out by specialised installation groups with the appropriate qualifications.

6 USE AND MAINTENANCE OF THE PRODUCT

6.1 INTENDED USE

The product must be used in accordance with its intended use as specified by the manufacturer. If the product is operated and modified in a manner other than that described in this documentation, it is used incorrectly. Unauthorised changes affecting the safe operation of the product are not permitted.

Proper use of the product includes:

- Normal use or foreseeable use that does not include, for example, risks taken by the user intentionally or knowingly.
- Application of permissible operating values.
- Adherence to operating recommendations.
- Carry out periodic inspection and maintenance of the product.
- Compliance with the requirements set out under "Controlling the safe use of the product".
- Data included under 'Technical specifications'.

In case of misuse:

- The product may endanger operators.
- The product will be exposed to damage.
- This can have a negative impact on its functionality.
- Do not use the product during maintenance work (e.g. window cleaning).

SELT Sp. z o.o. is not responsible for damage caused by improper use.

6.2 INSTRUCTIONS FOR NON-EXPERTS

Before using the product, read this documentation carefully.

Non-professionals are persons entrusted by the Purchaser with the day-to-day use, hygiene and maintenance of the product.

A thorough knowledge of the documentation guarantees fault-free operation of the product.

List of activities that can be performed by non-experts:

- ongoing service:
 - carrying out activities that do not alter the performance of the product,
 - switching on and off by pressing the control buttons,
- maintenance of the product is described in the following section.

6.3 TECHNICAL INSPECTIONS, MAINTENANCE AND REPAIRS

Periodic inspection of the products by specialised installation teams is recommended.

Maintenance consists of checking the operation of the product, adjusting the mechanisms and replacing components that wear out during operation. Ongoing maintenance of the system is carried out by the user himself. Maintenance of the product should be carried out at least once a year by specialised installation teams.

Reviews are carried out against payment.

Basic activities performed during the review:

- Check:
 - fixing the product to structural elements,
 - the technical condition of the moving parts of the product,
 - the condition of the product's electrical wiring and checking its connection to the electrical system,
 - bolted and riveted connections,
 - the technical condition of the fabric and seals,
 - fixing of the drive mechanism of the product (engine, crank gear),
 - effectiveness of the residual current circuit breaker.
- Possible adjustment and improvement of the fixing of listed components.

The products manufactured by SELT Sp. z o.o. do not require any special maintenance. The use of the product in accordance with the manufacturer's recommendations ensures long-term and fault-free operation of the system for the user. Ongoing maintenance work should be carried out on the maximally developed system.

Basic operations including maintenance of the product:

- Checking that the awning fabric is correctly unrolled and retracted,
- Checking the condition of the fabric,
- Fabric cleaning,,
- Check for correct operation of limit switches,
- Cleaning of visible, accessible parts of the product.

Cleaning of metal / aluminium components:

- It is recommended to clean light soiling of metal / aluminium surfaces with water and mild detergents.

Fabric cleaning:

- The fabric should be fully unrolled,
- Removal of dirt can be done by gently brushing or vacuuming the fabric surface,
- Clean the fabric only with clean water or a mild soapy water solution (max. water temperature 30° C),
- Do not use any solvents or strong detergents to clean the fabric,
- After applying the mild solution, rinse the fabric thoroughly with clean water,
- Dry the fabric thoroughly before retracting the awning.

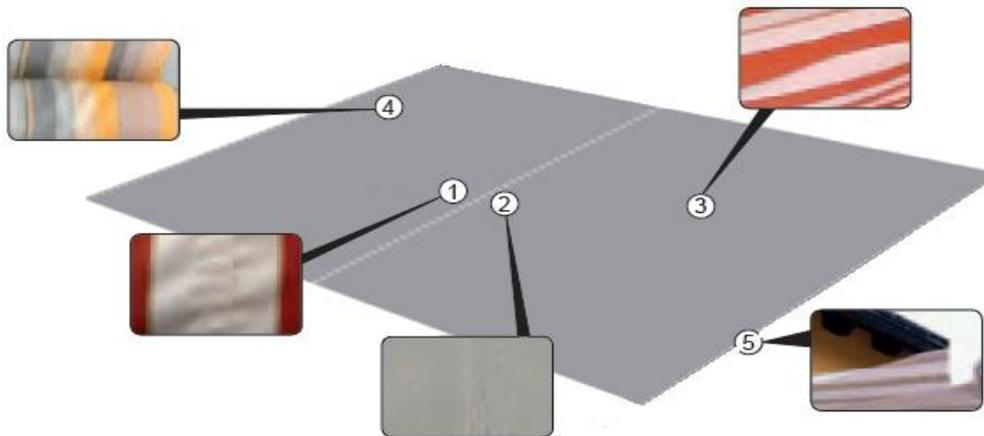
Prohibited activities during product maintenance:

- The use of pressure washers, as well as cleaning agents, sponges and solvents (e.g. alcohol, petrol) is prohibited.
- It is forbidden to use cleaning agents with chlorine, ammonia, paraffin, acetone and bleach to clean the system as well as in its vicinity, as this will result in the risk of corrosion.
- The use of sharp tools (e.g. wire brushes), cleaning agents that cause scratches (e.g. scouring powders, pastes) is prohibited.
- Do not firmly hold or pull the system or its individual components.
- Do not replace damaged components with replacements! Replacement parts should be original!
- Water must not be allowed to enter the engine.
- A test run of the system should be carried out. Keep an eye on the operation of the system and if there is any unusual behaviour or noises, report the problem to the direct supplier.

6.4 USE OF AWNING FABRICS

Only first-quality fabrics are used in the production of awnings. With state-of-the-art machinery at our disposal, even with the current state of the art, some changes in the fabric cannot be avoided:

- As the fabric is double folded at the seams, different winding diameters are created when the fabric is rolled up. The resulting tension can cause a rippling effect at the seams (1,2,3), the centres of the strips or the side edges of the cover (4).
- A change in the appearance of the fabric is the creases that can occur when it is rolled up. A fine line may then be visible within them, seen in the right light (1,2,3). This applies especially to dark-coloured sheaths.
- The side bands are subjected to particularly high loads, so there may be a slight sagging of the fabric edges (5).
- The acrylic material is coated with a fluoro resin which, in addition to giving the fabric its well-known technical properties, makes it stiffer. This is an essential requirement given the scope of its application. This property can result in the formation of micro-roughness near folds, creases or damage to the fabric.
- Due to the use of an impregnating agent, the fabric is sensitive to all kinds of scratches that are difficult to avoid even with a very precise and careful production process. This effect mainly affects single-colour fabrics.



The changes described above, which may occur on the surface of the cover, cannot constitute grounds for complaint, as they are typical for awning fabrics and do not affect the comfort of use.

It is absolutely essential that the awning is not extended during heavy rainfall and that the fabric is not exposed to prolonged wetting, even if the fabric attached has the characteristics of a fabric with increased resistance to wetting or is made of PVC material.

Ponding of water on its surface can lead to overloading of the fixings and to slight deformation and rippling of the fabric plane. If a soggy fabric is rolled up, it should be unrolled immediately after the rain has stopped and allowed to dry.

7 EXCLUSIONS FROM LIABILITY

The general terms and conditions of guarantee are available at www.selt.com.

In the absence of access to the SELT Sp. z o. o. website, the warranty conditions can be obtained from your SELT Sp. z o. o. sales representative.

7.1 EXCLUSIONS FROM LIABILITY

SELT Sp. z o.o. is not liable and does not discharge any warranty or guarantee in the event of:

- Damage caused by transport other than SELT.
- Damage resulting from storage, installation or maintenance not complying with the technical and operating documentation or the Supplier's recommendations, unless these activities were carried out by and at the Supplier's risk.
- Damage caused by use not in accordance with the technical and operational documentation or the Supplier's recommendations.
- Mechanical damage.
- Damage resulting from the alteration of the equipment, unless the alteration has been carried out by the Supplier, on his instructions or with his written consent.
- Secondary damage resulting from the use of the equipment despite the perception of the original defect, unless the Supplier has been notified and has recommended further use. The assessment of the causes of damage shall be left to the Supplier's reasonable discretion. Repair or replacement of the device due to the damage referred to in this section may be carried out by the Supplier against payment.
- Defects resulting from normal wear and tear of product parts such as seals, lubricants, etc.
- Repairs involving adjustments, cleaning and lubrication.
- Electrical equipment that has been handed over to the Supplier in a way that makes it impossible to check its operation (e.g. cut motor cable, receiver disassembled).
- Electrical damage caused by the user.
- Damage caused by: incorrect installation of the product, unauthorised repair or adjustment.
- Damage caused by using the system in inappropriate weather conditions.
- Operating the system despite component damage.
- Damage resulting from atmospheric and phytosanitary pollution and from staining by animals.
- Unsymmetrical winding of the fabric on the winding tube due to the occurrence of coarsening and dirt on the fabric surface (e.g. leaves, mud, etc.).
- Damage caused by use of the system in unsuitable weather conditions. Damage or destruction of the awning and cover caused by wind and precipitation such as rain, hail, snow and ice.
- Use of the product at ambient temperatures of 0⁰ C and below 0⁰ Celsius.
- The so-called jumping effect, i.e. sometimes a slight axial deviation in the operation of the roller tube when opening or closing the awning, is caused by a slight deflection of the roller tube and a fabric retaining bar inserted into a pocket in the roller tube. This effect does not affect the correct operation of the system.
- Damage resulting from the use of fewer mounting brackets than specified by the manufacturer.

The sheathing warranty does not cover:

- Horizontal indentations on the fabrics, which are caused by the pocketed rod securing the fabric in the winding tube.
- For awning fabrics, the phenomena described under "Use of awning fabrics"

Selection of electric motors:

DRIVE	FEATURES OF THE DRIVE											MARQUESTS													
	NAME	GROUP	FEATURES OF THE ELECTRIC DRIVE									BALCONY			THREATS				CASSETTE				SIDE COVER BORA		
			Mechanical end stops	Parallel connection to control contacts	Electronic bottom stop		Electronic top limit switch		Torque reduction for gentle cassette closing	Emergency manual retraction	Built-in radio receiver	Wired control via switch	Confirmation of radio signal reception	ITALIA RAILING	ITALIA	ITALIA CASSETTE	MALTA	SILVER PLUS	AUSTRALIA	JAMAICA	PALLADIO	CORSICA		DAKAR	CASABLANCA
Standard	Standard	Automatic																							
CRANK	Gearbox 11:1												+	+	+	+	+	+	+	+	-	+	+	-	
MOTOR	To control a switch or a wired or radio control unit	AXIS	RED	✓	⊘						✓		-	+	+	+	+	+	+	~	~	~	~	-	
			YELLOW	✓	⊘						✓		-	+	+	+	+	+	+	+	~	~	~	~	-
		AXIS-H	RED	✓	⊘					✓		✓		-	+	+	+	+	+	+	~	-	~	~	-
			YELLOW	✓	⊘					✓		✓		-	+	-	+	+	+	+	-	-	-	-	-
		NEMO WT	BLUE		✓	✓	✓	✓				✓		-	+	-	+	+	+	+	+	+	+	+	-
			YELLOW		✓	✓	✓	✓				✓		-	-	-	+ -	+ -	+ -	+ -	+	+	+	+	-
	To be controlled by an engine-specific remote control	NEMO	BLUE			✓	✓	✓	✓		✓	✓		-	+	-	+	+	+	+	+++	+++	+++	+++	-
			YELLOW ALTUS RTS			✓	✓					✓		-	+	+	+	+	+	+	-	-	-	-	-
			YELLOW OREA RTS			✓		✓				✓		-	-	-	-	-	-	-	+	+	+	+	-
			YELLOW IO			✓	✓	✓	✓			✓		✓	+	+	+	+	+	+	+++	+++	+++	+++	-
		NEMO-H	RED			✓	✓	✓	✓	✓	✓	✓		-	+	+	+	+	+	+	+++	+	+++	+++	-
			YELLOW IO			✓	✓	✓	✓	✓	✓	✓		✓	-	+	+	+	+	+	+	+++	-	+++	+++

✓	the drive has a feature	⊘	motors with mechanical end stops cannot be connected in parallel via the same switch or controller contact	~	the use of this motor in this awning is possible but not recommended as the cassette awning requires an automatic closing stop	-	the use of this drive in this awning is not possible or another motor is recommended
++	motor particularly recommended for the awning in question, has a torque reduction to allow gentle closing of the cassette	+	the drive recommended for the awning	+ -	the use of this motor in this awning is possible but not recommended for awnings with small dimensions (the motor only has an overload closing stop)	+	the use of this motor in this awning is possible, but without the crank

8 COMPLAINT/TECHNICAL DEFECTS

8.1 CLAIMS (MANUFACTURER'S WARRANTY)

Only the person who purchased the product from the manufacturer can make a complaint about the product.

The conditions and the manner in which complaints are dealt with are set out in the General Terms and Conditions of Guarantee and the General Terms and Conditions of Sale.

The General Terms and Conditions of Guarantee and the General Terms and Conditions of Sale are available at:

selt.com

The Customer shall submit a complaint on the Complaint Form available on the manufacturer's B2B Platform. The complaint notification should be complete and full.

A claim submitted otherwise than via the B2B Platform, incomplete or incomplete, including without an invoice, order or contract number, will not be processed.

8.2 TECHNICAL DEFECTS

In the event of system defects, you should:

- Roll up the awning and take it out of service.
- immediately report the defect of the product to the competent specialized assembly team.

9 DISMANTLING / DISPOSAL / DECOMMISSIONING OF THE PRODUCT



Improper disassembly of the system can cause serious injury and damage to the system. The dismantling of the system should be carried out by a suitably specialised installation team or a person with appropriate health and safety training and recovery expertise.

a) Disposal of waste electrical and electronic equipment

At the end of the life of the product, it is necessary to dismantle it and segregate the individual materials and components in accordance with the Decree of the Minister of Climate of 2 January 2020 on the waste catalogue in order to dispose of it.

Important information on disposal:



According to the provisions of the Act of 11 September 2015 on waste electrical or electronic equipment, it is prohibited to place together with other waste used equipment marked with the symbol of a crossed-out municipal waste container. A user wishing to dispose of electronic or electrical equipment is obliged to take it to a waste equipment collection point.

The above-mentioned statutory obligations have been introduced in order to limit the amount of waste produced from waste electrical and electronic equipment and to ensure an appropriate level of collection, recovery and recycling. The equipment does not contain hazardous components that have a particularly negative impact on the environment and human health.

Lp	Subject	European legal basis	Polish Legal Basis
1	Waste electrical and electronic equipment	Directive 2012/19 EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE)	Act of 11 September 2015 on waste electrical and electronic equipment (Journal of Laws 2022 item 1622, as amended).
2	Waste catalogue	Commission Regulation (EC) No 574/2004 of 23 February 2004 amending Annexes I and III to Regulation (EC) No 2150/2002 of the European Parliament and of the Council on waste statistics	Regulation of the Minister of Climate of 2 January 2020 on the waste catalogue (Journal of Laws 2020 item 10)

b) Disposal of used batteries

In accordance with the provisions of the Batteries and Accumulators Act of 24 April 2009, the **end user** is obliged to hand over used portable batteries that are no longer a source of energy to a waste battery **collector** or collection point. It is prohibited to place used batteries together with other waste in the same container.

In order to prevent contamination of the environment and the possible risk to human and animal health, the used battery should be disposed of in a suitable container at designated collection points.

Lp.	Subject	European legal basis	Polish Legal Basis
1	Waste batteries and accumulators	Directive 2006/66/EC of the European Parliament and of the Council of 6 September 2006 on batteries and accumulators and waste batteries and accumulators and repealing Directive 91 / 157 / EEC	Act of 24 April 2009 on batteries and accumulators (Journal of Laws 2022, item 1113)

10 CE MARKING AND LABELLING OF THE PRODUCT

10.1 CE CONFORMITY OF THE PRODUCT

The products manufactured by SELT meet the essential requirements of the standard introduced by the Polish Committee for Standardisation as PN-EN 13561, which is confirmed by the manufacturer's declaration of functional properties and the CE mark.

To maintain this condition and to ensure safe use and maintenance of the system, the instructions for installation, operation and safe use must be followed.

10.2 INFORMATION ACCOMPANYING THE CE MARKING

a) labelling on the product:


SELT Sp. z o. o. Opole, 23A Wschodnia St.
EN 13561


SELT Sp. z o. o. Opole, 23A Wschodnia St.
2006/42/EC

b) labelling on accompanying documents:

				
SELT Sp. z o. o. Opole, 23A Wschodnia St. POLAND 07				
EN 13561 Awning with pivoting arms operated either manually or with an electric motor, for use outdoors and in buildings. ITALIA.500x70-100-140-180 DWU 11/M/2018				
Essential characteristics			Performance characteristics	Harmonised technical specification
Wind load resistance			Class (pressure)	
Width [cm]	Overhang [cm]	Number of arms		
up to 500	up to 140	2	4 (204 Pa)	
up to 500	180	2	3 (132 Pa)	EN 13561:2015
Overall transmission coefficient solar energy g_{tot}			0,01-0,90*	

*- Exterior glazing with reference glazing type C according to EN14501:2005; detailed data depending on the fabric model are tabulated on the manufacturer's website



SELT Sp. z o. o.
Opole, 23A Wschodnia St.
POLAND
07

Awning with pivoting arms
ITALIA
230V/ 50 Hz
Power 240 to 275 watts
02 / DZ/2017