



A1 - T1

Manuale di uso e manutenzione
Use and maintenance manual
Manuel d'utilisation et d'entretien
Bedienungs- und Wartungshandbuch
Manual de uso y mantenimiento

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1. INTRODUCTION

This manual, together with the others supplied alongside it, is an integral part of the structure and has been written for its user; it is key to the correct use and maintenance of the product. The pages and content contained within this manual may not be removed, rewritten or modified in any way.

This manual must be kept intact in an easily accessible location until the structure is disposed of.

If this manual is lost or destroyed, the user must request a new copy from the reseller, supplying them with the main product data and the destination of the new copy.

The manufacturer reserves the right to update its products and their corresponding manuals without any obligation to update previous products and manuals.

The Manufacturer reserves all rights concerning this manual: no reproduction shall be permitted, in whole or in part, without its express written authorisation.

The manufacturer shall not be held responsible for any damage resulting from tampering with or unauthorised modification to the product.

1.1 Symbols used in this manual

The WARNING symbols used in this manual are given below.



INFORMATION AND WARNINGS

- Instructions and advice to help ensure correct use and storage of the awning. Failure to follow these instructions may compromise the product's integrity and/or strength.



CAUTION

- Operator hazard! Instructions and warnings to be read and followed carefully. Failure to observe these instructions may put people's safety at risk.



CAUTION

- Read the instructions before using the product.

2. SAFETY

2.1 General Safety Information

- Close the structure completely in the event bad weather or snow. Danger of damage or injury.
- Removing the safety devices installed on the structure is strictly forbidden (see Chapter 9 "Optional Accessories").
- It can be opened and closed by pressing a switch and/or via a remote control: both of these must be located OUTSIDE THE REACH OF CHILDREN.
- Ensure there is nobody obstructing or excessively close to the structure's moving parts when opening and closing.
- Do not place objects on the structure fabric.
- It is forbidden for people to hang on or support themselves from the structure – this would create a serious risk of injury as well as potentially damaging the structure itself.
- If any doubts remain, consult the reseller BEFORE using the structure.
- The user must not perform any operation or work on the structure for which they are not authorised (see Chapter 3.2 "Intended Use and Installation Location" and Chapter 7 "Maintenance").
- The manufacturer shall not be held responsible for any damage resulting from tampering with or unauthorised modification to the product.
- The user must inform the Reseller immediately if any faults/malfunctions should occur on safety devices or if any other dangerous situation should occur.

- All maintenance and cleaning operations must be performed with the electrical supply disconnected.
- Installation and first use, adjustment and extraordinary maintenance must only be performed by technicians trained and specialised for those tasks. Contact Technical Support.
- For outdoor awnings which can be operated from a position where the awning is not visible, or automatically by weather sensors, the user must adopt appropriate organisational measures to prevent operation of the awning when maintenance operations are being performed in the vicinity, for instance cleaning of windows or walls.
- The product absolves risks as per EN13561: risks of a mechanical, electrical and ergonomic nature.



- In the event that the product is not to be used for a prolonged period of time, protect any exposed mechanical parts.

3. DESCRIPTION OF THE STRUCTURE

The structure can be installed individually or in modular compositions. Its operation is motorised; Optional Accessories can be installed on request (see Chap. 9 “Optional Accessories”).

3.1 Components

The folding and sliding product is composed of fabric (taut when the awning is opened) fastened to a metal structure which allows it to slide horizontally.

- Metal structure: this represents the supporting chassis, containing the various mechanisms required to open and close the awning. It is composed of a frame fitted with guide profiles (A) inside which the carriages where the fabric is fastened slide, a guttering profile section (F), two bottom profile sections (B) and intermediate profiles (C).
- The structure rests on two front column profiles (E).
- Fabric (D): this is what provides the awning’s protection and coverage functions.

It is available in two different models:

- **A1** (Fig. 1): fastened to a wall and supported by two columns
- **T1** (Fig. 2) “roof” model used for covering verandas, terraces, balconies etc.

The materials used guarantee good resistance to wear caused both by use and by the weather.



3.2 Intended Use and Installation Location

The structure is designed to protect against solar radiation and possibly to limit reverberation in the space below it. The product, once installed, is intended only to perform raising or lowering of the awning fabric to reach the open and closed positions, as well as intermediate positions if required.

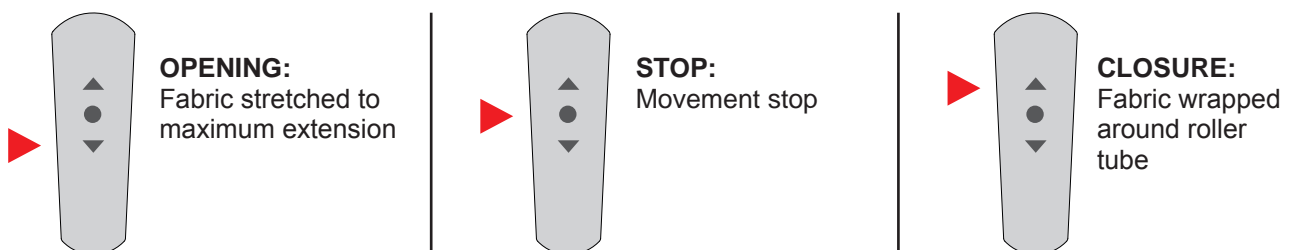
The structure must only be used for the purposes outlined above, even if packaged with impermeable or PVC sheets. Users of the structure must be adults.

Improper use of the product shall absolve the Manufacturer of any liability from damage or injuries which might result. **Failure to respect the indicated conditions of use shall cause any and all warranties provided by the manufacturer to be forfeit.**



- Any use other than those indicated above is forbidden, as different conditions of use could create risks to the user and other persons nearby.
- The structure **MUST NOT** be used to support/hold objects or for people to rest on.
- Motorised versions must not be installed in potentially explosive (ATEX) atmospheres.
- In the event that the structure is installed in a windy area with frequent power cuts, it is advisable to install a back-up power supply.
- In the event of particularly bad weather or snow, the structure should be fully closed; it is not guaranteed to be snow proof. Danger of damage or injury.
- Operation of the structure with snow on the fabric or in freezing temperatures could damage the product.
- The formation of condensation on the awning should not be considered a defect; it is a natural phenomenon.

The minimum installation height of the product should comply with applicable legislation; if fitted, the opening/closing switch must be installed in a protected position, at a minimum height from the ground as specified in applicable legislation and in an area which is not dangerous to access.



See the instructions given in the remote control manual (supplied).






- Use a lockable (key) switch if the structure is to be installed in sensitive locations such as schools, hospitals, rest homes etc.
- If the structure is fitted with a remote control, this must be located outside the reach of children.

The remote control may also be used outdoors, as long as the system has an IP rating of IP55 or higher. The space made available during installation must take into account the space required for movement and allow the structure to open fully.



- No ladders or other fixed objects must be installed or positioned near the structure which could reduce the space required by it.

4. TECHNICAL DATA

	A1		T1		A1	T1	A1	T1
Max. dimensions and weight								
Width (mm) - single module	4500	(5000)	4500	(5000)	9000	9000	13000	13000
Projection (mm)	6500	(5000)	8000	(5000)	6500	8000	6500	8000
Approx. weight (kg/m ²) - single module	10/15		8/12					
Safety performance per EN13561								
Wind resistance class	see Chap. 4.1							
Nominal test pressure p (N/m ²) α=1								
Wind speed (Km/h)								
Total transmittance of solar energy g _{tot}	See attached label							
MOTOR								
Type	See manual for installed motor							
Specifications	CE marking, approved for sun awnings							

For the specifications of the optional accessories, see Chapter 9 “Optional Accessories” and corresponding instructions.



- The maximum load permitted for non-retractable parts is 800 Pa.

4.1 Wind resistance

EN 13561	TEST PRESSURE (N/m ²)	BEAUFORT SCALE	DESCRIPTION	WIND SPEED	
				m/sec	km/h
Class 3	110	6	Strong breeze	10.8 - 13.8	39 - 49
Class 4	170	7	Near gale	13.9 - 17.1	50 - 61
Class 5	270	8	Gale	17.2 - 20.7	62 - 74
Class 6	400	9	Strong gale	20.8 - 24.4	75 - 88

Standard guide

Reinforced guide

cm	PROJECTION	WIDTH					
		250	300	350	400	450	500
250							
300							
350							
400							
450							
500							
550							-
600							-
650							-

cm		WIDTH								
		500	550	600	650	700	750	800	850	900
PROJECTION	250									
	300									
	350									
	400									
	450									
	500									
	550									
	600									
	650									

cm		WIDTH							
		950	1000	1050	1100	1150	1200	1250	1300
PROJECTION	250								
	300								
	350								
	400								
	450								
	500								
	550								
	600								
	650								

4.2 Technical Label

The “technical label” present on the inside cover of this manual specifies the year in which the CE marking, manufacturer’s data and specific product data was applied.

5. TRANSPORT AND INSTALLATION

5.1 Transport

Transport and shipping are the responsibility of the reseller and/or the manufacturer, who shall transport the product using packaging suitable to protect it up until delivery to the end customer.

Damage to the product sustained during removal of the structure and subsequent handling and/or transport, performed after the initial installation, is not covered by warranty.

The packaging material must be disposed of and/or recycled pursuant to applicable local legislation.

5.2 Installation



- **Assembly of the components, installation and first start of the product must only be performed by specialised and qualified technicians, and is the responsibility of the reseller and/or manufacturer.**

All instructions and the main safety standards for performing these operations are described in the “Assembly Manual” and the “Installer Manual”.

The position chosen by the user for installation of the product must provide adequate support as well as the space necessary for the structure to open fully (see “Installer Manual”).

6. USE



- **Before operating the structure, read Chapter 2 “Safety” and Chapter 3.2 “Intended Use and Installation Location” thoroughly.**
- **Ensure there are no persons or objects obstructing or excessively close to the structure’s moving parts when opening and closing.**
- **The structure must always open from the top downwards, never the contrary. Danger of breakage, with risk of serious personal injury.**
- Use the structure as described in Chap. 3.2 “Intended use and area of use”.
- It is strictly prohibited to climb on or hang/place any objects from/on the structure.
- If mould should appear on the awning, clean as described in Chapter 7.2 “Cleaning”.

The structure can be opened and closed via:

- A SWITCH installed near the structure in a position providing the user with full visibility of the same during its movement. If installed outdoors, the switch must have appropriate ingress protection.
- A REMOTE CONTROL, portable or wall mounted.

The characteristics and operation of these systems are described in the manuals, supplied as annexes, for the requested controls, motor and automatic devices.

In the event of faults or malfunctions, contact your reseller.

7. MAINTENANCE



- All maintenance and cleaning operations must be performed with the electrical supply disconnected.
- Before operating the structure, read Chapter 2 “Safety” thoroughly.
- Installation and first use, adjustment and extraordinary maintenance must only be performed by technicians trained and specialised for those tasks. Contact Technical Support.

7.1 Troubleshooting Table



- All safety requirements must be followed in the event of faults or troubleshooting, particularly when troubleshooting or repairing faults in the electrical components, where there is a risk of potentially fatal electrocution. **MAINTENANCE ON THE ELECTRICAL COMPONENTS MUST BE PERFORMED ONLY BY QUALIFIED TECHNICIANS.**

For faults not listed in the following tables, contact Technical Support.

PROBLEM	CAUSES	SOLUTIONS
The awning jerks when opening, jams or movement is noisy	Drive carriage out of square with respect to the structure	Contact Technical Support
	Check that there are no obstacles along the travel of the carriages	Remove any obstacles
The motor does not stop during the folding phase of the fabric	Limit-stop adjustment	Reset the limit stop, following the instructions in the “Motor Manual” supplied as an annex
Squeaking when moving the structure	Excessive tightening of the nuts on the carriages	Contact Technical Support
Water spilling out from the gutter when it rains	Dirt in the gutter	Clean the guttering
The awning will not move	Remote control batteries flat	Change remote control batteries
	Lack of power supply	Connect the power supply

7.2 Cleaning



- All cleaning operations must be performed with the electrical supply disconnected.
- Clean monthly, or when required.
- Qualified personnel are not required for ordinary cleaning operations.
- Using ladders, trestles or other similar equipment for cleaning must only be performed by specialised personnel, who must follow applicable health and safety legislation and use appropriate PPE such as safety harnesses etc.
- Do not use organic solvents, ammonia or hydrocarbons.

Cleaning the fabric is essential to protect against the formation of mould due to dust or other material deposited on the fabric; this can be performed by vacuuming up the dust, or using a damp cloth or sponge with warm water, and neutral detergent if necessary. Dry the awning fabric before cleaning.

Cleaning of aluminium profiles may be performed with water and neutral detergent.

7.3 Scheduled Maintenance



- All maintenance operations must be performed with the electrical supply disconnected.
- Qualified personnel are not required for ordinary maintenance operations.

The operations described below will keep the product in good condition if they are performed according to the indicated frequencies and timeframes.

Twice a year

The fabric must be visually inspected to check whether there are any tears or missing stitches. Check the cleanliness of the aluminium components, in particular the rain guttering.

Perform frequent checks on the installation, and visually check whether signs of wear are present in the electrical components, contacting Technical Support if necessary.

Yearly

Check that moving parts are operating correctly, contacting Technical Support if necessary.

7.4 Extraordinary Maintenance

Extraordinary maintenance, to be requested from Technical Support, must be performed every TWO YEARS.



- All extraordinary maintenance operations must be performed by qualified and trained personnel. Request specialist assistance from Technical Support.
- See the assembly, installation and commissioning instructions should disassembly/removal of all or part of the structure be required.
- Original spare parts must be used or the warranty shall lapse.

Requests for spare parts must be sent to your reseller.

THE PRODUCT WARRANTY WILL LAPSE IF SCHEDULED AND EXTRAORDINARY MAINTENANCE IS NOT PERFORMED.

8. DISASSEMBLY AND DISPOSAL



- The structure must be removed and disassembled by trained and qualified personnel. Request specialist assistance from Technical Support.
- These operations must be performed with the structure fully closed.

Cut the power supply to the system by disconnecting the circuit which supplies the awning switch, disconnect the motor, open the support brackets and remove the structure from them.

No materials considered hazardous have been used in the structure's construction, and there are therefore no particular instructions for its disposal or scrapping.

Follow applicable legislation in force when the structure is removed for its disposal.

9. OPTIONAL ACCESSORIES

The structure can be fitted with Optional Accessories such as automated controls, side closures, light and music kits and so on. The characteristics and operation of these optional accessories are described in the manuals, supplied as annexes, for the requested controls, motor and automatic devices. Installation is described in the "Installer Manual".



- The protection systems may be ineffective in particular climatic conditions.
- **THE PERFORMANCE DECLARATIONS ARE AVAILABLE ON THE KE SITE WWW.KEITALY.IT.**

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