

INSTRUCTIONS FOR USE



TRENDLINE-SERIES WINGLIGHT JOINTED ARM AWNING

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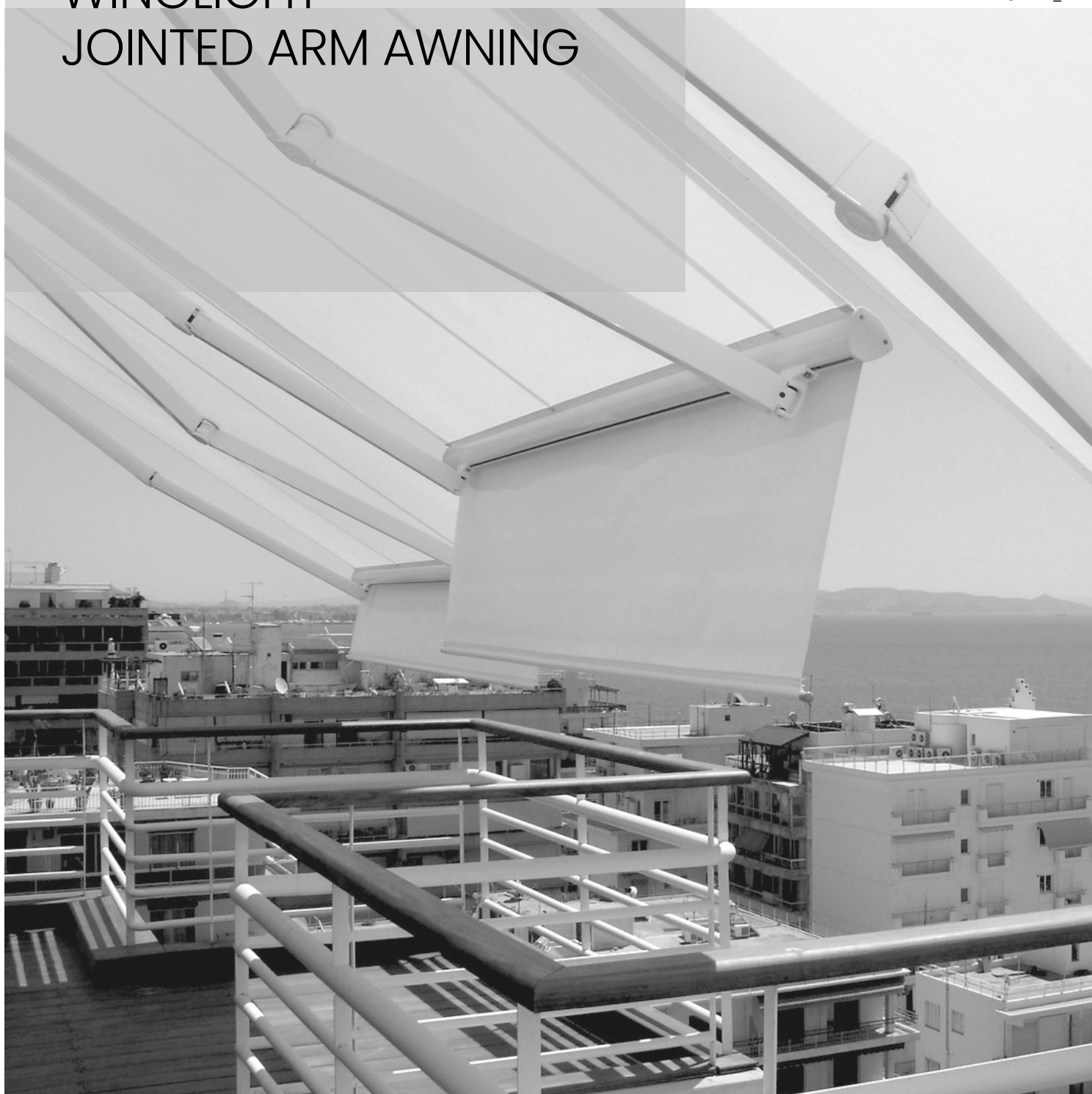


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1. BASIC INFORMATION

Thank you for purchasing this **WOUNDWO** product.

You must have read and understood these instructions for use before commissioning the products to ensure failure-free permanent operation. The notices in the instructions for use must be observed. Non-compliance shall release the manufacturer from its liability. Please also observe the notices on the product and on the packaging.

We request that you keep all the instructions (instructions for assembly and use) and hand them over to the new owner should you sell the awning.

2. EXPLANATION OF THE NOTICES

Safety notices and important information can be found at the corresponding point in the text. These are equipped with a symbol.



This symbol indicates notices that are important for people's safety or for the awning's function.



This symbol indicates important product information for the user.

3. VALIDITY

These instructions for use are valid for the following **WOUNDWO** standard jointed arm awnings: TRENDLINE CASSETTE, TRENDLINE ARTBOX, TRENDLINE SMARTBOX, TRENDLINE, WINGLIGHT COMPACT, WINGLIGHT SOLID

4. SAFETY



It is important to follow these instructions for people's safety. These instructions must be kept.



All **WOUNDWO** awnings are designed and manufactured in line with the provisions set forth in the EN 13561 standard. Nonetheless, dangers can arise for the people involved and/or the product can be impaired or other property damaged.

OPERATING MOTORIZED OPERATION AWNINGS:



Do not allow children to play with the awning's control unit. Keep remote controls out of the reach of children. Examine the equipment regularly for signs of wear or damage on the cables. Observe the programming instructions of the supplied control units.



Do not use if a repair is required.

MANUALLY OPERATING AWNINGS USING A CRANK HANDLE:



Take care when manually operating the retracted awning, as it can fall down quickly due to springs that are too weak or broken.



The product may only be operated as intended, in a technically perfect condition, in a safety- and risk-conscious manner and in accordance with these instructions for use. Faults that could compromise safety are to be rectified immediately.

5. INTENDED USE

WOUNDWO jointed arm awnings are primarily designed to protect against solar radiation. They can also be used as rain protection to a limited extent (see 7.1. for details). Any other use or use that extends beyond this shall be deemed improper. The manufacturer assumes no liability for any resultant damages.

No changes, additions or conversions may be made to the jointed arm awnings without the manufacturer's consent. Jointed arm awning parts in an imperfect condition must be replaced immediately. Only genuine spare parts specified by the manufacturer may be used. In the case of parts sourced from third parties, there is no guarantee that these have been designed and manufactured in line with safety and loading requirements.

If the jointed arm awnings suffer additional loading as a result of suspended objects or the cord slackening, this can lead to the jointed arm awnings malfunctioning and becoming damaged. Such actions are therefore impermissible.

Assembly and maintenance work may only be performed by qualified staff.

The connection must be fused and de-energised whilst inspecting or maintaining electrical parts.

WO&WO Sonnenlichtdesign GmbH & Co KG assumes no liability for damages caused by improper use.

6. PRODUCT INFORMATION

TECHNICAL DATA

The dimensions and technical details of jointed arm awnings can be found in the current catalogue available from specialist dealers, in the instructions for assembly or in the **WOUNDWO** partner area at www.woundwo.com.

DATA FOR THE ELECTRIC DRIVE

PARAMETER	VALUE
Mains voltage	230 V AC
Current consumption	0.45 – 2.1 A (depending on the drive)
Power consumption	90 – 460 W (depending on the drive)
Protection class – electric drive	IP 44
Permanent operation – motor	Approx. 4 minutes



The electric motor is not designed for permanent operation. After approx. 4 minutes of operation, the thermal protection starts and the motor switches off. The motor is ready for operation again after 15 – 30 minutes. However, the new actuation time is considerably reduced, lasting 1 – 2 minutes.

WIND RESISTANCE CLASSES

Wind force according to the Beaufort scale	9	8	7	6	5	4	3	2	1	0
Wind resistance class according to DIN EN 13561	6	5	4	3	2	1	0			
Wind speed in km/h	max. 88	max. 74	max. 61	max. 49	max. 38	max. 28	max. 19	max. 11	max. 5	undefined; product untested or unsuitable

WOUNDWO awnings and their components are designed and manufactured in compliance with DIN 13561. The various awning types are ranked according to their wind resistance class. Our product categories are classified as follows:

WIND RESISTANCE CLASS (WRC) according to DIN EN 13561								
PRODUCT	Projection	1500	2000	2500	3000	3500	4000	4500
	Vario valance							
TOPLINE CASSETTE	without	2	2	2	2	2	2	1
	with	2	2	2	2	2	1	n.a.
TOPLINE PLUS	without	2	2	2	2	2	2	2
	with	2	2	2	2	2	2	n.a.
TOPLINE	without	2	2	2	2	2	2	2
	with	2	2	2	2	2	2	n.a.
TRENDLINE CASSETTE	without	2	2	2	2	2	n.a.	
	with	2	2	2	2	n.a.		
TRENDLINE ARTBOX	without	2	2	2	2	2	n.a.	
	with	n.a.						
TRENDLINE SMARTBOX	without	2	2	2	2	1	n.a.	
	with	n.a.						
TRENDLINE	without	2	2	2	2	2	n.a.	
	with	2	2	2	2	2	n.a.	
SWINGLINE CASSETTE	without	2	2	2	2	n.a.		
	with	n.a.						
SWINGLINE	without	2	2	2	2	n.a.		
	with	n.a.						
EASYLINE	without	2	2	1	n.a.			
	with	n.a.						
WINGLIGHT COMPACT WINGLIGHT SOLID	without	2	2	2	2	2	n.a.	
	with	2	2	2	2	2	n.a.	
WINGLINE	without	2	2	2	2	2	2	2
	with	2	2	2	2	2	2	n.a.
SIDELINE	n.a.	1	1	1	1	1	1	n.a.



INFORMATION

Projection in mm / n.a. = not applicable

The declared performance level applies only for the product.

Once installed, the mounting surface may result in a lower performance level.

It may not be possible to extend or retract the curtain during high wind loads.

The awnings should only be used in the wind resistance class stated by the manufacturer.

Downgrading of the wind resistance class due to poor installation conditions is only permitted in marginal cases and with the consent of the final user.

To avoid damage to the awning system, these systems must be retracted when the specified wind load limits are reached. If the system is equipped with a motor, the use of an automatic wind monitoring device is recommended (see Controllers catalogue).

For systems that are exposed to a constant heavy wind load, it is recommended that regular maintenance and inspection be carried out as these systems are subject to increased wear due to the greater stress loading.

NOISE EMISSION

The sound pressure level of this awning when disassembled is less than 70 dB(A) when measured pursuant to EN ISO 12100-2:2003.

ACCESSORIES

The following accessories are available for **WOUNDWO** jointed arm awnings:

- Wireless remote control
- Automatic sun / wind / rain control
- Room thermostat
- Vario valance
- Light strip
- Radiant heater

Detailed information about the right accessories and how to integrate them is available from all **WOUNDWO** specialist dealers.

WINGLIGHT SUPPORTING STRUCTURE – WIND LOAD LIMITS

As a supporting structure, WINGLIGHT systems are required to comply with the European standard DIN EN 1090 governing load-bearing steel and aluminium components.

In addition to the wind resistance classes for jointed arm awnings, therefore, wind load limits for the supporting structure (awnings retracted) also need to be borne in mind.

If the anticipated wind speeds are higher than the permitted values shown in the tables below, the WINGLIGHT system cannot be used in this region. The local/regional wind load is easy to determine using the Dlubal website, for example.

WINGLIGHT COMPACT SUPPORTING STRUCTURE – WIND LOAD LIMITS in km/h**Installed with cantilever feet on both sides (standard) or in combination with a wall bracket on one side (MK-132)**

Height/Width in mm	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500
3000	108	108	108	108	108	81	81	81	81	81	81	81	81	81	81
2750	108	108	108	108	108	108	81	81	81	81	81	81	81	81	81
2500	108	108	108	108	108	108	108	108	81	81	81	81	81	81	81

Installed with flanged plates (MK-409) or ground sleeves (MK-410) or in combination with a wall bracket on one side (MK-132)

Height/Width in mm	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500
3250	144	144	144	108	108	108	108	108	108	108	108	108	108	108	81
3000	144	144	144	144	144	144	144	144	108	108	108	108	108	108	108
2750	144	144	144	144	144	144	144	144	144	144	144	144	108	108	108
2500	180	180	180	180	180	180	180	180	144	144	144	144	144	144	108

WINGLIGHT SOLID SUPPORTING STRUCTURE – WIND LOAD LIMITS in km/h**WITHOUT SUPPORT TUBE****Installed with cantilever feet on both sides (MK-408) or in combination with a wall bracket on one side (MK-132)**

Height/Width in mm	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500
3000	108	108	108	108	81	81	81	81	81	81	81	81	81	81	72
2750	108	108	108	108	108	108	81	81	81	81	81	81	81	81	81
2500	108	108	108	108	108	108	108	81	81	81	81	81	81	81	81

WITHOUT SUPPORT TUBE**Installed with flanged plates (standard) or ground sleeves (MK-410) or in combination with a wall bracket on one side (MK-132)**

Height/Width in mm	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500
3250	144	144	108	108	108	108	108	108	108	108	108	108	108	81	81
3000	144	144	144	144	144	144	144	144	108	108	108	108	108	108	108
2750	144	144	144	144	144	144	144	144	144	144	144	108	108	108	108
2500	180	180	180	180	180	180	180	144	144	144	144	144	144	144	108

WITH SUPPORT TUBE**Installed with cantilever feet on both sides (MK-408) or in combination with a wall bracket on one side (MK-132)**

Height/Width in mm	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500
3000	108	108	108	108	108	81	81	81	81	81	81	81	81	81	81
2750	108	108	108	108	108	108	81	81	81	81	81	81	81	81	81
2500	108	108	108	108	108	108	108	108	81	81	81	81	81	81	81

WITH SUPPORT TUBE**Installed with flanged plates (standard) or ground sleeves (MK-410) or in combination with a wall bracket on one side (MK-132)**

Height/Width in mm	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000	6250	6500	6750	7000
3250	144	144	144	144	144	108	108	108	108	108	108	108	108	108	108	108	108	81	81	81	81
3000	144	144	144	144	144	144	144	144	144	144	144	108	108	108	108	108	108	108	108	108	81
2750	144	144	144	144	144	144	144	144	144	144	144	144	144	108	108	108	108	108	108	108	108
2500	180	180	180	180	180	180	180	180	180	144	144	144	144	144	144	108	108	108	108	108	108

7. OPERATION

7.1 GENERAL SAFETY NOTICES FOR OPERATING JOINTED ARM AWNINGS



Jointed arm awnings may only be operated by persons who have received instruction from specialist staff. Ensure that children do not operate the awning unattended. Keep remote controls out of the reach of children.



When working in the area surrounding the jointed arm awning's deployment area, the automatic control (wind, sun control) must be switched off with a monitored, priority switching locking device (e.g. key switch), such that the jointed arm awning cannot be extended when controlled automatically.



Jointed arm awnings should be retracted at night and before leaving home.



Do not extend jointed arm awnings in freezing, snowy or very windy conditions. Jointed arm awnings can be used as rain protection to a limited extent. For this, the awning must be fully extended and the minimum incline is 14° (25%). Unsupervised use as rain protection is not permissible, as it is not entirely possible to exclude the formation of water pockets.



Fixed objects must be at least 40 cm away from the extension area of the drop profile.



The Vario valance (an optional accessory) must be rolled up before the jointed arm awning is retracted.

7.2 OPERATING JOINTED ARM AWNINGS WITH A CRANK DRIVE

A) SERIES: TOPLINE (TOPLINE, TOPLINE PLUS, TOPLINE CASSETTE),
TRENDLINE (TRENDLINE, TRENDLINE CASSETTE, TRENDLINE SMARTBOX)

EXTENDING THE AWNING: Hook the crank handle into the gearbox eye and extend the awning by turning the crank anti-clockwise until the awning reaches either the desired or the end position. The awning's end position (fully extended) is permanently set in the factory. The awning cloth remains tensioned at all times during this process. If the awning cloth loses tension, the tension should be restored by retracting the jointed arm awning.

RETRACTING THE AWNING: Turn the crank handle anti-clockwise until the awning is closed.



When the inside and outside end positions have been reached, do not continue to forcibly turn the crank handle. There is the risk of damages to the gearbox and of the cloth overexpanding or folding.

B) SERIES: SWINGLINE (SWINGLINE, SWINGLINE CASSETTE)



The crank gearboxes of the SWINGLINE series of awnings have no end stop on the front, but a freewheel to prevent incorrect cloth winding. At this point, however, the cloth can sag without any tension.

EXTENDING THE AWNING: Hook the crank handle into the gearbox eye and extend the awning by turning the crank anti-clockwise until the freewheel reaches the end point and the cloth is relieved of tension. Briefly turning back achieves the best cloth tension.

RETRACTING THE AWNING: Turn the crank handle anti-clockwise until the awning is closed.



Do not continue to forcibly turn the crank handle when it reaches the end positions inside. There is a risk of damages to the gearbox and of the cloth overexpanding or folding. This is prevented on the outside by the freewheel.

C) SERIES: EASYLINE



These crank gearboxes have no end stop on the front to prevent incorrect cloth winding. At this point, however, the cloth can sag without any tension.


EXTENDING THE AWNING: Hook the crank handle into the gearbox eye and extend the awning by turning the crank anti-clockwise until the end point is reached and the cloth is tensioned.

RETRACTING THE AWNING: Turn the crank handle anti-clockwise until the awning is closed.



Do not continue to forcibly turn the crank handle when it reaches the end positions inside. There is a risk of damages to the gearbox and of the cloth overexpanding or folding.




7.3 OPERATING JOINTED ARM AWNINGS WITH AN ELECTRIC DRIVE

-  When the system is being handed over, specialist staff must provide instruction on operating the electric drive. During this process, an explanation of how the operating elements are assigned is provided.

EXTENDING THE AWNING: Press (and hold) the operating element and extend the jointed arm awning until it reaches either the desired or the end shading position. The end position is reached when the motor switches off.

RETRACTING THE AWNING: Press (and hold) the operating element and retract the jointed arm awning until it reaches either the desired or the end shading position. The end position is reached when the motor switches off. Please refer to the documentation for control and operating units for additional notices about special functions.


8. CLEANING AND CARE

-  Use suitable climbing aids and de-energise the drive motor!
-  Remove the cover for the lateral part from the cassette before cleaning the TRENDLINE SMARTBOX and TRENDLINE ARTBOX!
-  No high-pressure cleaners, scouring agents or scouring pads should be used for cleaning!
Solvents such as alcohol or benzene must not be used!

CLEANING THE PRODUCT:


Dirt can be removed from the jointed arm awning using a soft brush or hand brush. Clean the awning cloth using a fine liquid detergent and rinse thoroughly with cold water. The frame of the jointed arm awning can be cleaned using a commercially available cleaner and wiped with a damp cloth. The awning cloth must be left to dry after cleaning.

9. MAINTENANCE

-  Reliable and safe use of the jointed arm awning can only be guaranteed if the system is checked and maintained on a regular basis.

The jointed arm awning is to be checked regularly for signs of wear and damage on the cover and frame. If damages are found, the specialist dealer or a suitable servicing company is to be tasked with the repair work. Jointed arm awnings needing repair must not be operated.

10. DISASSEMBLY

-  Improper assembly activities can result in personal injury or property damage.

Only have a **WOUNDWO** specialist dealer perform disassembly work.
Please refer to the product instructions for assembly for specifications / notices.

11. WARRANTY CERTIFICATE

3-YEAR GUARANTEE



1. WARRANTY PERIOD

- 1.1. Within the warranty period of 3 years from delivery, we will remedy all defects to the awning which can be proven to result from manufacturing, material or design defects.
- 1.2. The 3-year warranty automatically comes into effect upon delivery of the awning.

2. CONDITIONS FOR THE PROVISION OF WARRANTY SERVICES ARE:

- 2.1. Immediate inspection of the awning upon delivery to ensure it is free from defects. If defects are found, the awning must not be installed.
- 2.2. The awning is correctly installed by the authorised **WOUNDWO** specialist dealer in accordance with the assembly instructions, using only original mounting parts.
- 2.3. You must notify us promptly in writing in the event of any claim. Please provide the following information: date of damage, nature and extent of the damage, invoice date and number, name and address of the customer.

3. SETTLEMENT OF CLAIMS

- 3.1. Where defects are accepted by us as being covered by warranty, the remedying of such defects will involve the specialist dealer dismantling the awning and sending it to our factory.
- 3.2. We will assume all material costs necessary to correct the defects that fall under the terms of the warranty within the period specified in Item 1.

4. THE FOLLOWING ARE EXCLUDED FROM THE WARRANTY:

- 4.1. Damage to the awning caused by improper installation as a result of failure to follow the installation instructions and failure to use original mounting parts.
- 4.2. Damage caused by force majeure and exceptional loads, such as the effects of extremely high winds, snow, rain or ice.
- 4.3. 'Minor cosmetic flaws' in awning fabrics, which are set out in the 'Guidelines for the evaluation of ready-made awning fabrics' produced by the IVRSA (ITRS e.V. professional group), do not constitute a defect and are therefore not covered by the warranty.
- 4.4. Parts that are subject to normal wear. These include motors, gearboxes, controllers and covers.
- 4.5. Visual flaws.

5. OTHER PROVISIONS

- 5.1. If a damage incident necessitates inspection by our customer service department, no changes must be made to the awning under investigation.
- 5.2. In the event of a damage incident, the subsequent procedure will be conducted in writing. For insurance reasons, it is not possible to resolve the matter over the telephone.
- 5.3. All claims under the warranty shall be null and void if third party spare parts are used or following any repairs made by persons who are not authorised **WOUNDWO** specialist dealers, or if any changes are made to the awning.