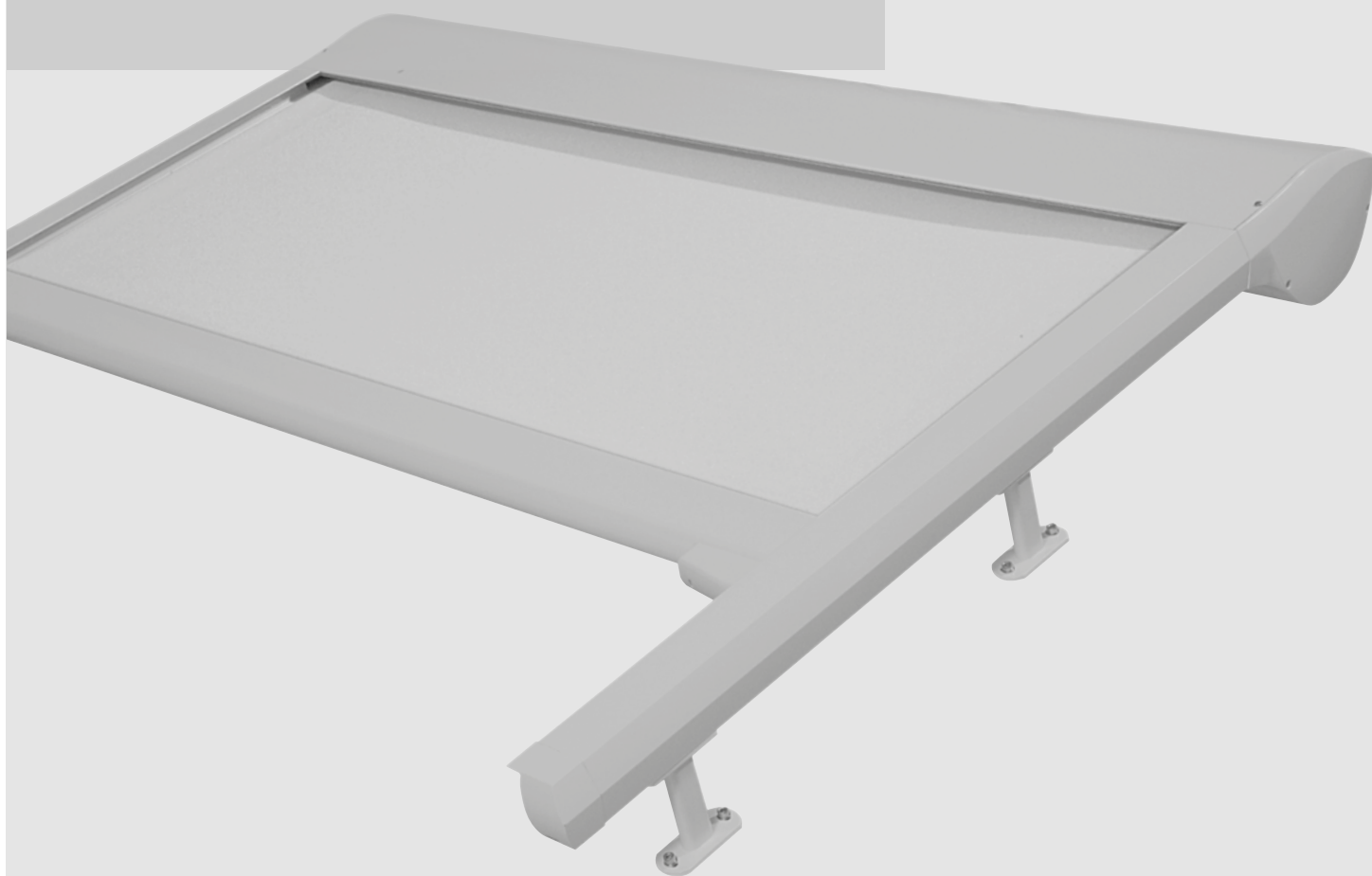


INSTRUCTIONS FOR USE



# SHADING SYSTEMS WITH BACK PULL SYSTEM

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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. It is important to follow these instructions to ensure people's safety. 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 awning's new owner should you sell the product.

**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** shading systems with back pull system  
XLINE E210, XLINE R154, PERGO-LINE E210, PERGO-LINE R154, FREELINE, XLIGHT E150, XLIGHT R120.

### 4 SAFETY



**WOUNDWO** shading systems with back pull system 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 or other property can be damaged during system operation if the corresponding instructions are not observed



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.



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

### 5. INTENDED USE

**WOUNDWO** back pull systems 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 shading systems without the manufacturer's consent. System components 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 in line with safety and loading requirements.

If the shading systems suffer additional loading as a result of suspended or attached objects, this can lead to the 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 **WOUNDWO** back pull systems 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](http://www.woundwo.com).

#### DATA FOR THE ELECTRIC DRIVE

PARAMETER	VALUE
Mains voltage	230 V AC
Current consumption	0.7 – 1.2 A (depending on the drive)
Power consumption	160 – 250 W (depending on the drive)
Protection class – electric drive	IP 44
Permanent operation – motor	Approx. 5 minutes



The electric motor is not designed for permanent operation. After approx. 5 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	1000	2000	3000	4000	5000	6000	7000
	Vario valance							
<b>XLIN E210</b>	without	2	2	2	2	2	2	2
	with	3	3	3	3	2	n.a.	
<b>XLIN R154</b>	without	2	2	2	2	2	2	2
	with	3	3	3	3	2	n.a.	
<b>XLIGHT E150</b>	without	2	2	2	2	2	2	2
	with	n.a.						
<b>XLIGHT R120</b>	without	2	2	2	2	2	2	2
	with	n.a.						
<b>PERGO-LINE E210</b>	without	2	2	2	2	2	2	2
	with	3	3	3	3	2	n.a.	
<b>PERGO-LINE R154</b>	without	2	2	2	2	2	2	2
	with	3	3	3	3	2	n.a.	
<b>FREELINE</b>	without	2	2	2	2	2	2	2
	with	3	3	3	3	2	n.a.	

Projection in mm / n.a. = not applicable



**INFORMATION**

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** conservatory awnings:

- Wireless remote control
- Automatic sun / wind / rain control
- Room thermostat
- Radiant heater
- Light strips

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

## 7. OPERATION

### 7.1 GENERAL SAFETY NOTICES FOR OPERATING SHADING SYSTEMS



Conservatory 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!



Do not touch the shading system whilst retracting or extending (risk of jamming). Do not climb on the awning and do not subject it to stresses caused by foreign objects. No toys, objects or weights may be attached to the awning. Also, it is impermissible to install objects, e.g. a ladder.



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



Shading systems should be retracted at night and before leaving home.



Do not extend the shading systems in freezing, snowy or very windy conditions. The systems 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.



Should the cloth become damp or even wet, the system must be extended to dry out as soon as is possible (risk of stains and mould forming, plus damage to the awning fabric and the seams).

### 7.2 OPERATING THE 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 SYSTEM:

Press (and hold, depending on the version) the operating element and extend the awning until it reaches either the desired or the end position. The end position is reached when the motor switches off.

#### RETRACTING THE SYSTEM:

Press (and hold, depending on the version) the operating element and retract the awning until it either reaches the desired or the end 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.

### 7.3 OPERATING THE CRANK DRIVE

#### EXTENDING THE SYSTEM:

Hook the crank handle into the gearbox eye and extend the awning by turning the crank anti-clockwise until the drop profile is resting on the guide rail's end caps.

#### RETRACTING THE AWNING:

Turn the crank handle clockwise until the drop profile is resting on the housing and the system is closed.



Do not start the drop profile up at full speed on the guide rail's end caps. There is a risk of damages to the gearbox and of the cloth overexpanding or folding.



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

## 8. CLEANING AND CARE



Use suitable climbing aids and de-energise the drive motor!!



No high-pressure cleaners, scouring agents or scouring pads should be used for cleaning!  
Solvents such as alcohol or benzine must not be used!

### CLEANING THE PRODUCT:

Dirt can be removed from the shading system using a soft brush or hand brush.

The awning cloth can be cleaned using a fine liquid detergent and a soft brush. Finally, rinse thoroughly with cold water.

The awning cloth must be left to dry after cleaning.

The housing, shading system guide profiles and riser can be cleaned using a commercially available cleaner and wiped with a damp cloth.

## 9. MAINTENANCE



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

The system is to be checked regularly for signs of wear and damage on the cover, traction elements, housing and guide profiles.



The guide tracks for the rollers are to be cleaned at least once a year (especially in the spring) and regularly checked for foreign objects.



The ties are to be checked for wear and damage at least once a year. Timely replacement protects the system against indefinable consequential damages.

If damages are found, a **WOUNDWO** specialist dealer or a suitable servicing company is to be tasked with the repair work.



Conservatory awnings needing repair must not be operated to prevent consequential damages.

## 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's instructions for assembly for the specifications and notices.

## 13. WARRANTY CERTIFICATE

### 5-YEAR GUARANTEE



#### 1. WARRANTY PERIOD

- 1.1. Within the warranty period of 5 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 5-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.

