

Operating and maintenance instructions

Terrea cassette awning K55



Der SonnenLichtManager

Valid from 22 January 2026

Original instructions

To be handed over to the operator.

Please keep for future use.

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1 Introduction

1.1 Information on safety

It is essential to follow the instructions in the interest of personal safety. If the instructions and the safety notes and warnings contained therein are not followed, use of the product can lead to personal injury or property damage. WAREMA shall not be held liable if the provided information is not observed.



Warnings in the instructions are identified by this or a similar symbol.



- Read the instructions carefully before using the product.
- Read and follow all safety, setting, operating and maintenance instructions.
- The instructions must be included if you pass the product on to a new owner.
- Keep the instructions for use until you dispose of the product.

1.2 Information on the target group and application of these instructions

Target group

These instructions are directed at people who operate, care for, maintain or repair the product.

The work described in the "Maintenance" chapter may only be performed by a qualified specialist. Improperly executed maintenance may result in product damage and personal injury.

As stated in the "Repair" chapter, work on the product may only be performed by a qualified specialist. Insufficient product knowledge can result in dangerous situations during repairs. Improperly executed repairs may result in product damage and personal injury.

The "Troubleshooting" chapter lists known faults and indicates who is authorised to handle the troubleshooting procedure. It is important to note the target group specified in the "Note" column. Only problems with no specific reference to a target group may be rectified by the user.

Contents

These instructions are an integral part of the following product: cassette awning Terrea K55

The instructions contain important information on the operation, handling, care and, if necessary, maintenance.

They describe how to operate products with WAREMA standard drives. Other drives and special solutions are not dealt with.

Permissible activities

All measures permitted on the product are specified in these instructions or the supplementary documentation.

Without the written authorisation of WAREMA, no other modifications, additions, conversions or deviating maintenance work are permitted to be carried out.

1.3 Explanation of the signal words



DANGER

Identifies an imminent danger that may result in death or serious injury.



WARNING

Identifies a potential danger that may result in death or serious injury.



CAUTION

Identifies a potential danger that may result in light injury.



NOTICE

Identifies a potential situation that may result in product or property damage and malfunctions.

1.4 Basic safety instructions

The safety instructions and warnings described here are intended to safeguard your health and to protect the product. These instructions must be read carefully and followed.

Damage resulting from inappropriate use or the failure to follow these instructions is not covered by the warranty. Liability will not be accepted for secondary damage.

General operation

The operation of a faulty product may result in personal injury or damage to adjacent parts.

Therefore, note the following.

- ▶ Only operate the product if it is in technically flawless condition.
- ▶ Only operate optional extras of the product if in technically perfect condition.
- ▶ If the product makes unusual noises or movements, stop using the product immediately. Inform a qualified specialist immediately and wait for further instructions.

Risk of crushing during operation

Improper operation may lead to injuries. The movements of the product can cause crushing of limbs.

Therefore, note the following.

- ▶ Do not reach between the moving parts while the product is moving.
- ▶ Do not reach into openings on the product while operating it.

Introduction

Violation of the monitoring obligation during operation

Failure to monitor the product while it is moving may result in personal injury and property damage.

Therefore, note the following.

- ▶ Keep persons and animals out of the path of the product.
- ▶ Remove obstacles from the path of the product.

Operation in the event of a power supply failure

An electrically-operated product cannot be operated without power.

In bad weather and an associated power failure, and extended or lowered product can be exposed to impermissibly high loads, which can lead to serious personal injury or product damage.

Therefore, note the following.

- ▶ In areas prone to high winds and frequent power failures, it should be possible to retract or raise the product manually or with emergency power. A manual emergency operation unit or an emergency power supply is recommended.

Access to the operating element (electrically operated product)

The operating element is not suitable for children since they cannot recognize the danger that the product may present. Careless handling can lead to injuries.

Therefore, note the following.

- ▶ Do not allow children to play with fixed control systems or operating elements.
- ▶ Keep the hand-held transmitter out of the reach of children.

Operation in wind

The product is only able to withstand the loads associated with the specified wind speed limits (see the wind resistance section in these instructions). Special precautions must be taken before bad weather arrives. Even when using a control, sudden strong gusts of wind can damage the product, e.g. after the control has triggered the move command to raise the product to the upper limit position.

Therefore, note the following.

- ▶ Retract the product if the wind speed limit is reached.
- ▶ Retract the product promptly before bad weather arrives.
- ▶ All other movements of the product must be prevented while the wind speed limit is reached or exceeded.
- ▶ During your absence, it is recommended to place the product in a safe position and switch the control to manual mode to prevent unintended movements. Power failures or faults can impair the control and expose the product to extreme weather conditions, which may result in damage or cause the unit to fall down.

Operation in wet weather

In rain and at an inclination angle smaller than the specified value ([see Chapter 2.5/Page 6](#)), the awning must not be extended. There is a risk of water pocket formation. This may damage the awning and can pose a risk to people. In addition, moisture promotes wrinkling and waffling and deteriorates the awning fabric.

Moisture promotes wrinkling and waffling and deteriorates the awning fabric.

- ▶ In the event of rain, retract or do not extend the product.
- ▶ Once the rain has stopped, awning fabric that has become wet should be extended so that it can dry.
- ▶ Weather permitting, only retract the awning if the awning fabric is completely dry.

Operation in icy conditions/winter (general procedure)

The operation of the product at temperatures around or below the freezing point can lead to malfunctions and/or damage to the product or property in the case of unfavourable installation and building situations. After exposure to condensation water, rain or snow, the product can freeze up at low temperatures ($< +4^{\circ}\text{C}$) and must not be operated.

Therefore, note the following.

- ▶ Before using, the product must be freed from snow and ice in order to make it functional.
- ▶ Before using, the guide grooves must also be freed from snow and ice.
- ▶ No operation of the product while it is iced over.

Operation in winter (product with control system)

Products operated by a control system may start moving at any time and without prior notice. After exposure to condensation water, rain or snow, the product can freeze up at low temperatures ($< +4\text{ }^{\circ}\text{C}$). Movement of the product can lead to malfunctions and product or property damage.

Therefore, note the following.

- Switch off the control mode of the control system if there is no ice alarm.

Malfunction due to leaves or foreign objects

External sun shading systems are exposed to weather and environmental influences. Depending on their location, leaves and other debris may enter the product and impair its function or lead to malfunctions.

Therefore, note the following.

- Remove leaves and other foreign bodies from the cassette and from the awning fabric.

Special features awning fabric

The awning fabric can become electrostatically charged. Contact with people or objects may result in an electrostatic discharge from charged fabric.

Risk of damage to the product

An additional load can damage the product or cause it to detach from its mount.

Therefore, note the following.

- Do not hold onto the product or lean any objects against it.

2 Product information**2.1 Intended use**

The following details apply to the following product: cassette awning Terrea K55

The product is an external sun shading system that may be used for thermal protection and glare control. The product is used to shade balconies and patios.

The product is intended to be used to protect against the sun, not the rain.

All closures and awnings intended for external use are designed to handle a wind load of 1.1 kN/m^2 when retracted.

The directive entitled "Wind loads for construction of closures and awnings when retracted – Section 5.1.1" defines the positions at which these products can be installed without requiring special precautions [published by the Bundesverband Rollläden + Sonnenschutz e. V. and ITRS Industrieverband Technische Textilien - Rollläden - Sonnenschutz e. V.].

Additional loads on the product in the form of hanging objects or guy ropes could damage the product or cause it to become detached from the wall and are therefore not permitted. WAREMA will not be liable for any ensuing damage.

The intended use also includes observing these instructions and adhering to the service requirements they describe.

Inappropriate use may result in serious hazards.

2.2 Parts description

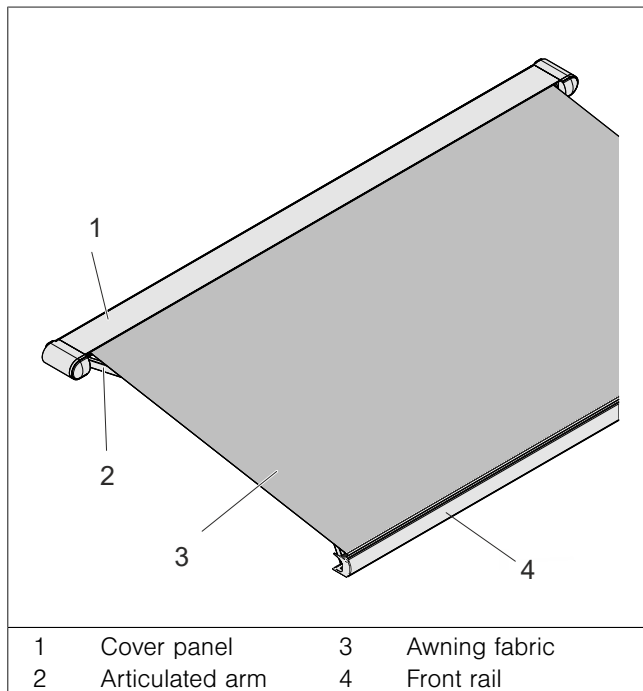


Fig. 1: Parts overview

2.3 Electric drive data

Parameter	Value
Current consumption [A]	0.45–1.5 A
Rated voltage	230 V/50 Hz
Degree of protection	IP 44
Short-term operation (S2)	4 min
Emissions sound pressure level	LpA ≤ 70 dB(A)*

* The sound pressure level LpA in a standard installation of the product on a test stand is 70 dB(A). This value may vary depending on the specific installation.



INFO

The table above shows a summary of the permissible motors.

2.4 Wind resistance

The product has the following resistance to wind loads: class 1 ¹

The declared performance only applies to the product itself. The type of installation and the mounting substructure may reduce the maximum permissible wind speed.



The maximum permitted wind speed (wind speed limit) for the product when it is extended is: 10 m/s (Beaufort 5)

A lower wind speed may have been stipulated in the handover report.

The wind speed of 10 m/s is defined as a fresh wind or breeze, i. e. small deciduous trees begin to sway and white caps form on lakes.

If the maximum permissible wind speed is reached, the product must be retracted.

¹ The static test of resistance to wind loads is performed according to standard specifications using the maximum dimensions (height x width) defined by the manufacturer. Products that exceed the defined dimensions are assigned a wind resistance class of 0 since they were not tested.

2.5 Resistance against water collection

The product fulfils performance class 2 starting at an inclination angle of 14°.

Performance class 2 is equivalent to precipitation of 56 l/m² per hour.

2.6 Declaration of performance



The declaration of performance can be found at (www.warema.de/ce).

3 Operation



INFO

- Only operate the product if it is in technically perfect condition.
- A damaged or faulty product should no longer be used, as this may cause further damage or pose a risk to the operator. Always contact the specialised retailer and secure the product against operation as agreed with the specialist.



INFO

If the awning is exposed to the weather, some water may enter the cassette, even if the awning is retracted. However, this does not impair the proper functioning of the awning.

3.1 Product with motor



WARNING

Risk of crushing from failure to exercise care during operation.

Persons who are located within the projection area may be injured.

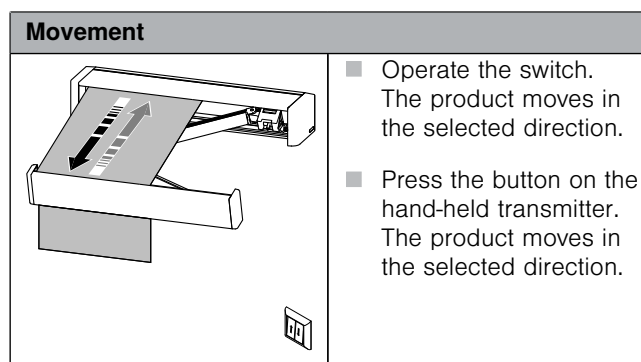
- Keep the path of the product clear of people.
- Keep children away from the operating elements.



INFO

The product has an upper and lower limit position at which it stops automatically.

In addition, it can be stopped in any position.



Operation using a central control unit



NOTICE

Product damage due to non-functioning of the control unit!

"Under exceptional conditions such as power failure or system malfunction, the control unit will cease to operate. In these cases, the product cannot be operated using the control and may be exposed to extreme weather conditions, which may result in damage or cause the unit to fall down.

- During your absence, it is recommended to place the product in a safe position and switch the control to manual mode to prevent unintended movements.



INFO

of the motors used are not intended for continuous operation.

The integrated thermal protection switches the motor off after approx. 4 minutes. The product will be ready again for use after 10 to 15 minutes.

- Adjust the control unit in such a way that continuous operation of the motor is not possible.
- Follow the operating and installation instructions of the control unit.

Operation using a hand-held transmitter



INFO

Instructions on how to operate the hand-held transmitter are contained in a separate manual for the hand-held transmitter.

Operation

3.2 Valance roller blind with crank

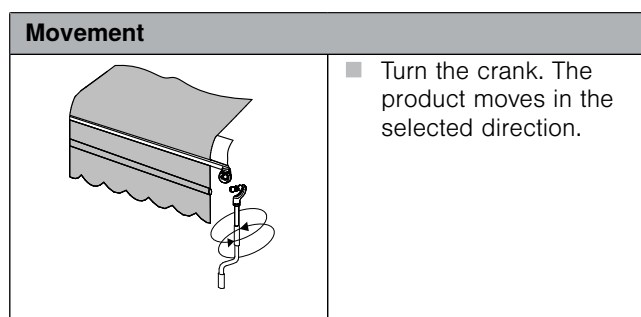


NOTICE

Product damage when the lower limit position is overrun!

The valance roller blind does not have a limit stop in the lower limit position. After the order height is reached, the valance roller blind is raised again in the wrong direction. Raising the blind in the wrong direction causes wrinkles to form, makes retraction impossible and will cause damage.

- After reaching the order height, stop the rotating movement.



INFO

The valance roller blind is fully raised when no more fabric is visible at the valance outlet.

3.3 Incorrect operation

Accessibility of the operating elements

- To prevent injuries, never let children play with the operating elements of the product, such as the hand-held transmitter or switch.
- Keep the hand-held transmitter out of the reach of children.

Danger of crushing, shearing and entanglement



- To prevent crushing, keep people away from the product while it is moving.
- Do not reach between the moving parts while the product is moving. Limbs can get caught between or in the moving parts and may be crushed or severed.
- Products operated by a control unit may start moving at any time and without prior notice. This may result in injuries. Inform people, including children, who may be located in the vicinity of the product about the danger involved with the product in order to eliminate any risk.

Operation in stormy weather



The product must be retracted before a bad weather front passes over, even if a control unit is being used. The control triggers a move command for the product if the set limit value is exceeded in order to move it to the protected upper limit position. If strong gusts of wind come up suddenly, the product is exposed to a larger load for which it was not designed for an indefinite period.

- Retract the product if the wind speed limit is reached.
- Retract the product promptly before bad weather arrives.
- All other movements of the product must be prevented while the wind speed limit is reached or exceeded.

Operation in wet weather



NOTICE

Deterioration of the awning fabric due to moisture!

Moisture promotes wrinkling and waffling and deteriorates the awning fabric.

- Once the rain has stopped, awning fabric that has become wet should be extended so that it can dry.
- Weather permitting, only retract the awning if the awning fabric is completely dry.

	<p>The product must be retracted by hand before a bad weather front passes over, even if a control is being used.</p> <ul style="list-style-type: none"> ■ Retract the product promptly before bad weather arrives. ■ In the event of rain, retract and do not extend the product. ■ Once the rain has stopped, awning fabric that has become wet should be extended so that it can dry. ■ Weather permitting, only retract the awning if the awning fabric is completely dry.
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Operation in cold weather or winter



NOTICE

Product damage from incorrect operation in winter!

After exposure to condensation water, rain or snow, the product can freeze up at or below the freezing point and in this case must no longer be operated.

- No operation of the product while it is iced over. The product may be used again after thawing.
- Switch off the automatic control without ice alarm in winter.

Dirt (such as leaves and foreign objects)

	<p>Leaves and other foreign objects can cause malfunctions and create the conditions necessary for microbial activity.</p> <ul style="list-style-type: none"> ■ Leaves and other foreign objects must be removed from the guide grooves of the awning fabric and other product openings.
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4 Service

Use of the product in a manner that is not intended or failure to care for and check the product improperly render the product warranty from WAREMA void.

Proper and regular cleaning and maintenance and the exclusive use of original spare parts are essential for trouble-free operation and a long product service life.



INFO

To prevent personal injury or property damage when performing product maintenance or working in the immediate vicinity of the product, e.g. when cleaning windows, product movement must be prevented.

A monitored overriding locking mechanism must eliminate all possible operation.



WARNING

Risk of injury from operation of the product when it is out of sight!



During cleaning or maintenance, the product may move unexpectedly and startle individuals, potentially causing accidents such as falls from ladders.

- De-energise the product and secure it against being switched on again.



CAUTION

Risk of injury from falling off the climbing aid!

Climbing aids (e. g. ladders, scaffolding, etc.) may tip over if improperly erected.

- Position climbing aids on level and firm ground.
- Do not lean climbing aids against the product.



CAUTION

Risk of injury from falling!

There is a risk of falling during maintenance work.

- Take suitable safety precautions to prevent or arrest falls.

INFO

The awning fabric can become electrostatically charged. Static discharge when contact is made with people or objects is possible.

4.1 Cleaning, care and inspection activities

INFO

The activities described in this section can be performed by the operator. It is important to abide by the interval of one year.

Environmental and ambient influences may cause a film of dirt to form on the surfaces of the product.

Due to the effects of solar radiation, this soiling can become permanently embedded or scorched onto the surface coating, potentially impairing the functionality and reducing the value of the product.

To extend the service life of the product, its surfaces should be cleaned regularly or **at least once a year**.

In certain ambient conditions, such as those found near industrial zones and close to heavy road traffic, the sea (salty air) or swimming pools (air with chlorine), more frequent cleaning may help to protect against surface damage caused by these conditions and against the heightened risk of corrosion.

For awning fabrics, more frequent cleaning may be necessary depending on the degree of soiling.

Purpose of cleaning and care

The benefit provided by regular and proper cleaning and care is that the value of the product is preserved and its service life extended. The purpose of repeatedly cleaning the product is to preserve the well-maintained appearance of the product and to maintain proper functioning.

Results of cleaning



NOTICE

Product damage from incorrect cleaning!

Incorrect cleaning procedures may result in damage to the product or product parts. Surfaces and textures may be permanently altered (e. g. scratches).

- Do not use high pressure washers, steam washers, abrasive sponges, abrasive cleansers, or aggressive cleaning agents or solvents such as alcohol or naphtha.
- Do not use chlorinated cleaning agents on or near the product.
- Acidic or oxidizing cleaning agents may be used with all fabric types except WAREMA SecuTex fabric A2.
- Unlike other fabric types, WAREMA SecuTex fabric A2 can be cleaned with cleaning agents containing alcohol, which is recommended. Other types of cleaning agents destroy the aluminium vapour coating.
- Do not wash the awning fabric in a washing machine or other similar equipment.
- When cleaning, do not rub the awning fabric excessively with a hard brush/sponge or other hard objects. This may damage the surface.
- Do not raise sun sail fabric that has gotten wet. This may cause moulding or spotting.

The cleaning instructions are non-binding recommendations from which no claims can be derived. The achieved cleaning results may differ in individual cases.

The effort required for cleaning and the cleaning results themselves depend on the degree of soiling. Surfaces that have been exposed to the influences of weather over many years but have not been cleaned are difficult, if not impossible, to restore to their original condition.

General information on cleaning



WARNING

Risk of injury from electric shock on a product with live components!

If live components (e.g. motors) come into contact with water, a short circuit or voltage flashover may occur.

- Keep water away from live parts.



Tip/recommendation

To properly clean the surfaces, use a suitable cleaning glove together with an appropriate cleaning agent concentrate for sun shading products.

Preparing for cleaning

- When cleaning the product, protect adjacent areas against soiling.



INFO

Cleaning will vary with the fabric quality and the type of coating (e. g. special coating such as aluminium vapour coating). Cleaning with water and a mild soapy solution is recommended. If you have any questions, please contact your WAREMA specialised retailer for further information.

Aids required for cleaning:

- ▶ Whisk broom/brush (soft bristles)
- ▶ Vacuum cleaner (optional)
- ▶ Bucket (recommendation: use low-lime water)
- ▶ WAREMA cleaning agent for sun shading products (do not use on wood products)
- ▶ WAREMA cleaning glove
- ▶ Cotton cloth
- ▶ Additionally for awning fabric
 - Rubber eraser (non-marking)
 - Adhesive tape (to pick up soiling with the adhesive tape)
 - Mild detergent

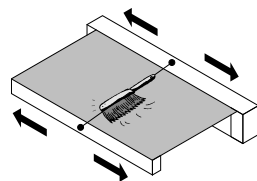


INFO

Clean step-by-step from the rear to the front.

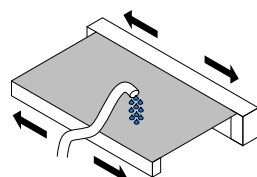
- 1 Cassette
- 2 Awning fabric (as needed)
- 3 Articulated arms
- 4 End rail (valance roller blind if present)

Performing preliminary cleaning



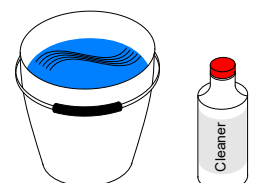
- Remove any loose soiling from the entire product (e.g. dust, leaves). A whisk broom/broom or vacuum cleaner can be used for this.
- Remove any loose soiling from the awning fabric with a soft brush using short brush strokes.
- Do not forget the guide grooves and other openings on the product.

or

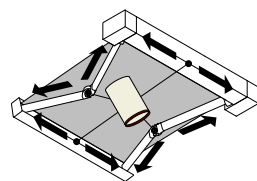


- Before cleaning with water, remove any objects that must not get wet.
- If the product is installed outside (outdoors), you can also rinse off loose dirt with clear water at a low water pressure.

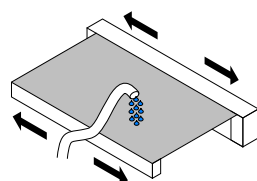
Performing detailed cleaning



- Prepare a bucket with water and cleaning agent for sun shading systems or another suitable cleaning agent for sun shading systems. Note the dosing quantities specified by the cleaning agent manufacturer.
- Wet the cleaning glove.



- Clean the product components. Repeat the procedure as necessary.
- Clean the guide grooves and other openings on the product to eliminate the possibility of malfunctions, e.g. due to leaves.



- Remove the detached soiling before drying.

Dry cleaning the awning fabric

In some cases, smaller spots and isolated dirty streaks can be cleaned without water.

Service

- Dab off/strip away soiling with adhesive tape. and/or
- Remove soiling with a non-marking rubber eraser (by applying light pressure).
- Remove soiling with a vacuum cleaner if necessary (on the low setting).

Wet cleaning the awning fabric

Soiling or crusting spread over a large area must only be removed when wet, in order to keep the dirt from being rubbed into the fibres and spaces between the fibres.

The weather should be dry and at least +5 C.

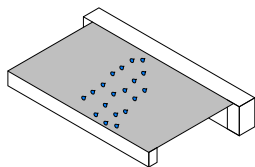
- Wet the awning fabric with clear water at a low water pressure.

5-10% mild detergent

- Add a 5-10% mild washing detergent to lukewarm water (max. 40 °C). Build up a lather by squeezing out a sponge several times.
- Apply the lather to the soiled locations and let it soak in for 15-20 minutes.
- Rinse the awning fabric with clear water at a low water pressure.
- Repeat the procedure as necessary.

Drying the product

- Move the product to the lower limit position.



- Leave awning fabric that has become wet to air-dry fully.



INFO

To prevent scale marks from forming around dried water droplets, the surfaces of the product can be rubbed dry using a microfibre or cotton cloth.

Reimpregnating the awning fabric



INFO

The cleaning agent and fabric impregnation have opposing effects. By thoroughly rinsing off the cleaning agent with clear water, you can preserve the water-repellent property of the awning fabric for a longer time.

Every time the fabric is cleaned, the original protective function of the awning fabric is slightly diminished. Depending on the fabric type, a reimpregnation can renew the water-repellent effect and is therefore recommended.

Only use impregnating agents that are suitable for awning fabric.

Reimpregnation cannot restore the awning fabric to its original new condition.

Only apply the impregnation agent on a completely dry awning fabric.

Inspection activities/examine the product during cleaning



INFO

Wear and damage to the product, the associated operating elements and the mounting substructure can impair the function of the product and lead to further damage.

If visual inspection of the product reveals irregularities, proceed as follows.

- Take the product out of service.
- Have any damage repaired by a qualified specialist.

- Check the product regularly for visible wear, damage and proper functioning (visual check).
- Check that the fixing of the supporting elements (e.g. consoles) is firmly connected to the structure and/or the floor (visual check).
- Remove all foreign objects and any soiling from the product components and the openings.
- Check the charge status of the batteries of optional extras, such as the hand-held radio transmitter or wind sensor, and replace if necessary.

Additionally for the weather station (optional)

- Check that the fixing screws are seated properly and tighten if necessary. Repeated strong wind loads can loosen the screws and change the orientation of the weather station. Incorrect measuring values can cause delays in the retraction or raising of the unit.

**INFO**

To ensure proper functioning and your continued enjoyment of the product, WAREMA recommends having it professionally maintained once a year.

Information on this can be obtained from your WAREMA contracting partner or at www.warema.de/service.

4.2 Maintenance

The maintenance tasks must only be performed by a qualified specialist. We recommend signing a service agreement.

Service is a preventative maintenance and contributes to keeping a product functional as long as possible.

It is recommended to service the product at least once a year.

**WARNING**

Risk of injury caused by irregular maintenance!

Operating safety may be seriously diminished, and the product may fail. People can be injured from contact with damaged parts.

- Have the product checked regularly by a qualified specialist for signs of wear and damage, e.g. to electrical lines.

**CAUTION**

Risk of injury from inadequate product knowledge!

Familiarity with the functions and design of the product is required to ensure that it can be worked on safely. Insufficient product knowledge can result in dangerous situations.

- Have service tasks performed by a qualified specialist.

- Check the product for visible wear and damage. If necessary, make a recommendation to the owner.
- Perform a functional check, and inspect the limit positions of the product. Adjust the limit positions if necessary (see the installation instructions and/or setting instructions).
- Make sure that the console elements are firmly seated. The consoles/mounting plates must be attached flush against the mounting substructure without any gap.
- Check the articulated arm joint.

**INFO**

The installation instructions describe how to adjust the centre joint of the articulated arm. Any missing documents should be obtained from the manufacturer by the qualified specialist prior to the start of maintenance.

- Make sure the centre joint of the articulated arm moves smoothly. Adjust the height if necessary.

4.3 Repair**CAUTION**

Personal injury resulting from inappropriate repairs!

Familiarity with the functions and design of the product is required to ensure that it can be worked on safely. Insufficient product knowledge can result in dangerous situations.

- The product should only be repaired by a qualified specialist.

**INFO**

To ensure that your product continues to function properly, and to prevent the loss of its approved status, only use original spare parts.

To order, contact your WAREMA dealer.

4.4 Spare parts**INFO**

To ensure that your product continues to function properly, and to prevent the loss of its approved status, only use original spare parts.

To order, contact your WAREMA dealer.

4.5 Wear parts**Wear parts**

- ▶ Wind sensor battery

4.6 What you should know about awning fabrics

Technical fabrics may exhibit certain characteristics due to production and sizing that may appear to the operator to be "faults".

The blemishes described below have no influence on the usability and durability of the awning fabric [excerpt from the Guideline for the Evaluation of Preassembled Awning Fabrics – published by the ITRS Industrieverband Technische Textilien Rollladen - Sonnenschutz e.V.]:

Wrinkles and folding lines

Wrinkles can be produced when the fabric is assembled (cut and sewn) and when it is folded. Surface effects (shifts in pigmentation) can occur in the wrinkles. When viewed against the light, these resemble dirty marks (especially on light-coloured fabric).

Chalk lines

These are light stripes of the impregnating material on the fabric surface. They result from handling the fabric during production and assembly of the units. Although the fabric is handled with special care, these effects cannot be fully avoided in dark fabrics.

Waviness in the seams and fabric panels

As the fabric is wound onto and off of the shaft, it is tightened more at the hems, seams and panels than between the seams. The resulting tension in the fabric can lead to waviness (e. g. waffle or fishbone patterns) that "digs" into the fabric. The waves are visible when the unit is open.

Waffling

Because of the production method, waffling may form under certain weather conditions and in certain fabric sizes. This effect is more visible in unfavourable lighting conditions. The formation of waffling is accelerated and enhanced through wetness (humidity, rain). If a fabric that has been "softened" in this way is retracted, waffling and wrinkles can become particularly pronounced.

Weave flaws

Spinning of the yarns as well as warping in the weaving mill and the weaving process itself is executed under tension. The yarn may break. This will lead to knots. Irregular thread thicknesses are seen as light areas or burls in the fabric.

5 Dismantling/disposal



CAUTION

Risk of injury due to incorrect dismantling!

A lack of appropriate knowledge when dismantling the product can lead to injuries and damage to the adjacent parts.

- Have the units dismantled by a qualified specialist.
- Ask WAREMA for any missing documents before dismantling the product.



WARNING

Electric shock!



When working in the immediate vicinity of potentially live parts, such as electrical lines, contact may result in an electric shock.

- De-energise the product and secure it against being switched on again.



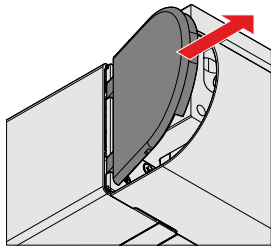
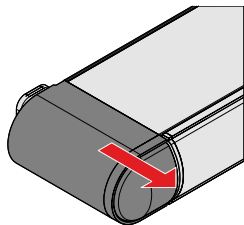
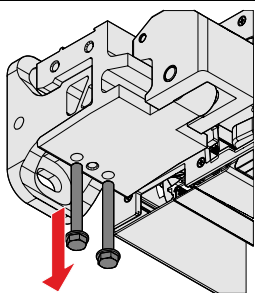
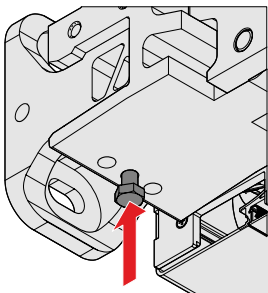
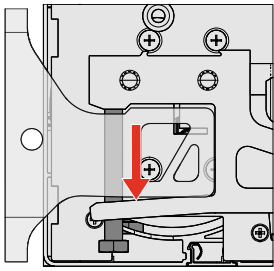
INFO

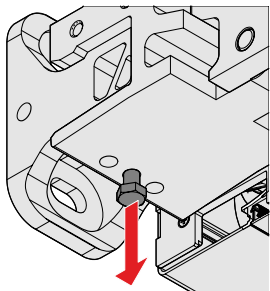
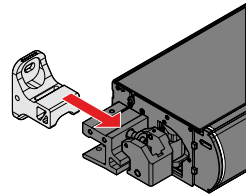
Electrically operated products contain integrated electrical or electronic components, such as the motor, control and lines. These components must be removed and disposed of separately from the product as described below ([Disposal](#)).



INFO

Special feature when dismantling the Terrea K55.

	■ When installed on the ceiling, remove the rear cover.
	■ Remove the side cover.
	■ Remove the fixing screws.
	■ Screw a DIN 933 M8 screw with a minimum length of 80 mm into the middle threaded hole.
	■ Screw in the screw until the articulated arm seat bends open slightly.

	<ul style="list-style-type: none"> ■ Remove the screw.
	<ul style="list-style-type: none"> ■ Remove the awning from the consoles.

Disposal

If the product can no longer be used, dispose of it in accordance with applicable legal requirements.



Components with this symbol must not be disposed of with household waste.

Products marked with the symbol must be handled as follows according to legal regulations:

- The electric and electronic components removed from the product and other electrical devices belonging to the product must be disposed of separately from unsorted household waste.
- Used batteries that are not enclosed in the used device and lamps that can be removed from the used device without destroying it are to be disposed of separately.
- Distributors of electric devices or disposal operations are required to take back the devices at no charge.
- Deletion of personal data contained in the electric device before disposal is the responsibility of the owner/operator.

6 Troubleshooting



INFO

- Problems that are listed below without reference to a qualified specialist or certified electrician may be rectified by yourself without involving these persons.
- All other problems listed absolutely must be handled by a qualified specialist or certified electrician.

Fault: the motor is not functioning			
	Cause	Remedy	Note
	The thermal protection switch of the motor has triggered.	Wait 10 to 15 minutes and then try again.	If the motor is operated at frequent intervals, the thermal protection switch on the motor switches it off to prevent it from overheating. The motor will be ready to operate again after it has cooled down. This is not a fault.
	A higher-level control command has been issued.	Wait for the on/off delay and then try again.	
	No voltage is applied.	Check the power supply fuse.	Have the check carried out by a certified electrician.
	The motor is faulty.	Replace the motor.	Have the motor replaced by a specialist firm.
	The hand-held transmitter is located outside of the radio range of the drive.	Change your location and operate the unit again.	The transmission LED  on the hand-held transmitter lights up green and then red during operation.
	The battery of the hand-held transmitter is depleted.	Change the battery.	

Fault: The product does not move to the desired limit position			
	Cause	Remedy	Note
	The motor limit positions are incorrect.	Readjust the motor.	Have the adjustment carried out by a specialist firm.
	Changes in the product over the course of its lifecycle. These changes are in line with this type of technology.	Readjust the motor.	Have the product adjusted by a qualified specialist.

Fault: the fabric winds unevenly			
	Cause	Remedy	Note
	The articulated arms do not retract simultaneously.	<p>Retract the awning and observe which articulated arm retracts first.</p> <p>Shift the fabric on the shaft in the direction of the articulated arm that retracts first.</p>	<p>Qualified specialist only.</p> <ul style="list-style-type: none"> ▶ Right articulated arm retracts first → Fabric winds to the left ▶ Left articulated arm retracts first → Fabric winds to the right

Fault: centre joints have different heights when retracted (an offset of 15 mm is permissible)			
	Cause	Remedy	Note
	The centre joint settings are different.	Adjust the centre joint height (see installation instructions).	Adjustment by qualified specialist

Fault: the cassette does not close properly			
	Cause	Remedy	Note
	The console lock was not firmly tightened	Retighten the console locks.	Adjustment by qualified specialist

7 EC Declaration of Conformity

Excerpt from the declaration of conformity; the full document is available at www.warema.de/ce.

The product:

WAREMA Terrea cassette awning

Type:

- 550
- 580
- K55

Purpose:

External textile sun shading system

When used as intended, meets the basic requirements in the following EU directives and harmonised standards.

Machinery Directive 2006/42/EC:

EN 13561

External blinds and awnings - Performance requirements including safety

EN 60335-2-97

Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment

RoHS Directive 2011/65/EU:

Directive on electromagnetic compatibility 2014/30/EU:

Used for motor drives without an integrated radio receiver.

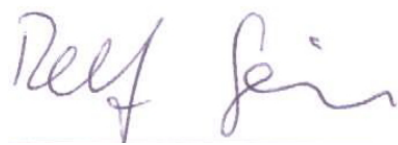
Directive on radio equipment 2014/53/EU (RED):

Use for motor drives with an integrated radio receiver or for WAREMA components with an integrated radio receiver.

Person in charge of the compilation of the technical documents: Elke Granzer; for address, see manufacturer.

Manufacturer:

WAREMA Renkhoff SE
Hans-Wilhelm-Renkhoff-Str. 2
97828 Marktheidenfeld
Germany



Ralf Simon

Executive Director Research and Development



Elke Granzer

Technical Support R & D

Marktheidenfeld, November 2025