

EN Dear customer,

You have recently become the owner of a quality sunprotection screen from RENSON Sunprotection-Screens. We congratulate you on your wise choice. After final inspection your sunprotection screen was given the serial number that you can find in this booklet.

All the materials we use are top quality and suitable for their purpose. As a manufacturer of sunprotection screens, we guarantee our products for five years** against any defects occurring during normal use and maintenance. In the event of problems, always quote the serial number to your installer. The serial number can be found at the end of this warranty certificate, as well as by scanning the QR code on the bottom bar of your system. Via the QR code you can find all other relevant product information.

Because RENSON Sunprotection-Screens places great importance on the quality of its products and on providing maximum satisfaction for our customers and end-users, we have drawn up special operating and maintenance instructions.

This guarantee certificate shall cover: Zipshade Minimal Solar

- * 7-year guarantee on the Fixscreen technology:
- zip remains in side guides
 - maximum bonding of zip to fabric

- ** A 7-year guarantee also applies to electronic parts and automatisation.
Concerning the coating of aluminium elements, a 10-year guarantee applies for the colour stability.
A 5-years guarantee applies on the gloss of the coated profiles.



Guarantee certificate

Zipshade® Minimal Solar

User manual & warranty conditions

1 • Technical specifications

EN Motor

Power supply	12 V DC (min 11,5 V, max 14 V)
Radio frequency	433,42 MHz (RTS)
Index protection rating	IP 44
Operating temperature	-10°C / +40°C and exceptionally -20°C / +60°C
Maximum number of connected control points	12 (RTS)
Maximum number of connected sensors	3
Electrical insulation	Class III

EN Solar cell

Voltage delivered (V)	12
Current delivered (mA)	196
Power (W)	3,2
Index protection rating	IP X4 (of which photovoltaic cells: IP67)
Dimension (mm)	470 × 60 × 6
Weight (g)	230

EN Battery

Technology type	NimH
Voltage	12 V
Capacity	2200 mAh
Diameter - mm	Ø 24 max
Number of wires of the cable	2 wires - 1 connector
Temperature range (working / storage)	-20 / + 70°C (extreme temperature may lead to a faster battery discharge and use)
Charging time with Oximo WF charger	3,5 hours
System of protection	IP X4 (except connector IPX1)

2 • Wind class

EN Zipshade Minimal Solar is conform wind class 3 according to the DIN 13561:2004 standard, with standard fabric or blackout fabric (not freestanding).

3 • Function

EN Sunprotection screen for external use, specially designed to exclude the sun and create an optimal internal climate. Depending on the type of fabric selected, the values for light permeability and heat protection may vary. The specific design of the Zipshade makes it extremely resistant to wind gusts. The screens may unroll or roll up at different speeds if there is a combination of different systems, single systems, or systems with different dimensions.

At the outside, polyester blackout fabric can only be used under the dimensions and with the products as described in the technical documentation.

4 • Guarantee

EN All materials used by RENSON are top quality and suitable for their purpose. As a manufacturer, RENSON guarantees its products for five years against any defects occurring during normal domestic use and regular maintenance. There is also a 7-year guarantee on the electronic controls.

RENSON guarantees its Zipshade technology for 7 years:

- Zip remains in side guides.
- Maximum bonding of zip to fabric.

The guarantee on the colour stability and gloss of the coating of aluminium profiles depends on the type of environment (non-aggressive versus aggressive environment) and the type of treatment:

Guarantee	NON-aggressive environment	Aggressive environment, e.g. ocean, heavy industry, etc.
Standard coating	10-year guarantee on coating - 5-year guarantee on gloss <i>Subject to limited maintenance</i>	No guarantee
Seaside Quality A	10-year guarantee on coating - 5-year guarantee on gloss <i>Subject to limited maintenance</i>	10-year guarantee on coating - 5-year guarantee on gloss <i>Subject to limited maintenance</i>
Pre-anodisation	10-year guarantee on coating - 5-year guarantee on gloss <i>Subject to limited maintenance</i>	10-year guarantee on coating - 5-year guarantee on gloss <i>Subject to limited maintenance</i>

Limited maintenance = twice a year, frequent maintenance = four times a year

Colour differences and spots can occur during the anodisation process. Anodisation is a process where the parameters are difficult to control. Tolerances are normal within this process and can bring colour differences.

RENSON is not responsible for breakage of the glass (for example: by wrong mounting or irregular heating of the glazing).

The guarantee includes the supply of replacement parts, fitting on site by the installer, or a complete overhaul of the system by the manufacturer at his factory. In case a spare part is no longer available, a viable alternative is proposed as a replacement of the original part. Fitting costs (travel + hourly rate) are not covered by this guarantee.

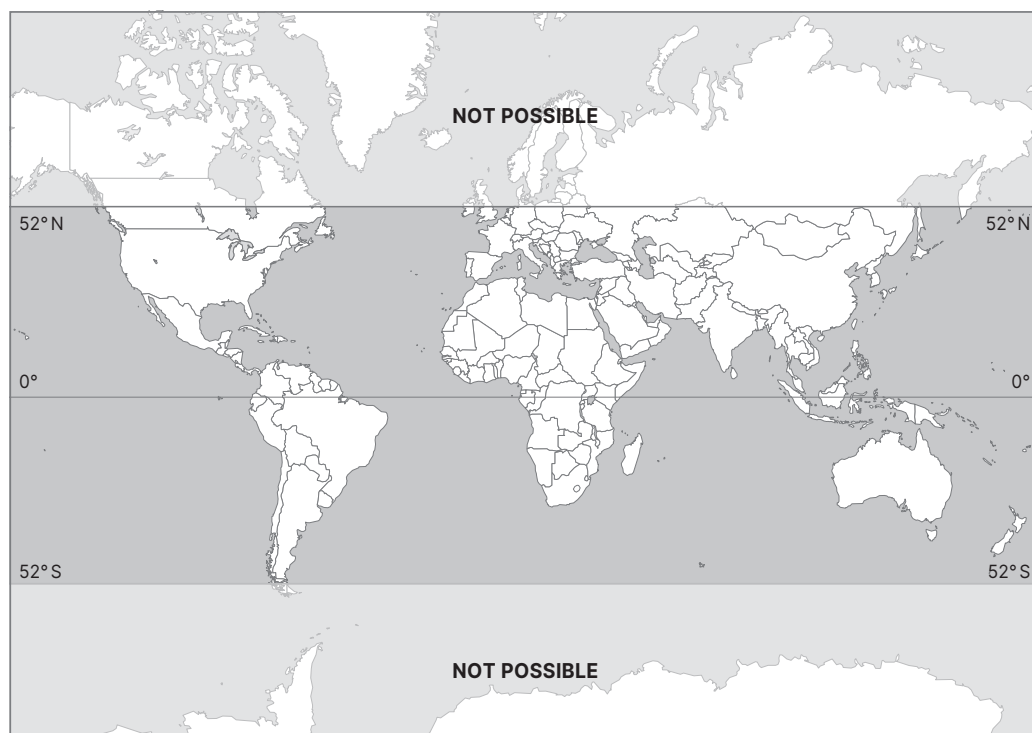
The guarantee period starts on the date of manufacture and refers only to the product itself, not to its installation.

The guarantee remains valid only if the product is used and maintained by the purchaser "as a good keeper" and in accordance with the instructions in this manual. Incorrect or abnormal use will void the guarantee.

Please always quote the serial number to your installer when reporting problems.

The warranty provides no right to any compensation or reimbursement for consequential damages and does not cover any incidental physical injuries.

Any use outside the scope determined by Somfy is non-compliant. As a result and by disregarding the instructions in the manual, any liability and warranty of Renson will be voided and the proper functioning of the system cannot be guaranteed.



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5 • Usage conditions

EN Area of application

- Any usage outside of applications defined by Renson constitutes non-compliance, and is therefore not covered by the guarantee (see point 4 Guarantee).

Temperature

- Withstands normal ambient temperatures (-10°C to +40°C, taking into account the motor's thermal protection).
- **Do NOT operate sunprotection screen in frosty conditions.**

Humidity

- Resistant to 100% moisture (rain).
- Do NOT hose at high pressure.
- **Do not use the sunprotection screen in heavy rain, snow or hail.**

Obstacles

- There should be no obstacles to prevent the screen being rolled up or down, e.g. planters, branches, etc.
Make sure there are no twigs or leaves on the fabric.
- Never let your children play near moving screens.

6 • Safety

EN Mechanical

- It is important only to use the system for its intended purpose.
- Never stand on the system.
- Never put your hand in moving parts and never place fingers between the profiles.
- Maintain the system at regular intervals and use only original replacement parts.

Wind

We strongly recommend the use of a wind sensor!

Provide the necessary sensors or programming within your Building Management System to take into account the usage conditions mentioned above.

If it cannot be guaranteed that the above usage conditions have been complied with, then this provision is mandatory.

Wind resistance in closed position depends on the screen dimensions (W x H) and is available on request.

The rolling up and rolling down movement of the screen depends on the screen dimensions (W x H) and is also available on request.

IT IS IMPORTANT TO FOLLOW THE APPENDED INSTRUCTIONS FOR YOUR SAFETY. KEEP THEM IN A SAFE PLACE.

7 • Installation

EN Opening the packaging

- The system is packed to protect it during storage and transport.
 - Always store in a dry place at normal temperature.
 - Transport and handle the system carefully.
- Check the packaging for signs of major damage.
- Open the packaging carefully.
 - If using sharp objects, be careful not to damage the paint.
 - Remove the system carefully from the packaging.

Installing the system

- See installation instructions.

Area of application

- Any usage outside of applications defined by Renson constitutes non-compliance, and is therefore not covered by the guarantee (see point 4 Guarantee).

Electrical connections (if applicable)

- See motor installation document.
- The mains connection should be made by a qualified electrician in accordance with applicable standards.

Starting

- Check that all items match the installation instructions.
- Check that the electrical connections are in good condition and that no cables can become entwined in the system (if applicable).
- Roll the fabric up and down once (adjust the electric motor if necessary).

8 • Storage

- EN • The products and/or the parts need to be kept in a dry and shaded place, away from all heat sources.

9 • Correct operation

EN Electric operation

- See enclosed technical manual (English version) for the particular motor type.
- The existing guidelines for motor connections should be taken into account.
- If the motor end setting is no longer correct (e.g. the screen does not roll fully up or down), contact your installer.
- If your sunprotection screen has an automatic controller (automatic wind/sun system), it is advisable in the following cases to set the system to manual:
 - In winter, as operating the screen in frosty conditions could damage it.
 - If you are away from home for an extended period.

10 • Maintenance

EN The system does not need much maintenance, but for years of enjoyment, we advise the following:

- If the fabric becomes wet in a sudden storm, you can still roll it up and unroll it later to dry when the weather is better. However, avoid having the wet fabric rolled up for more than three days to prevent formation of mould and spots.
- Before cleaning, remove any loose dirt with a brush. You can then use a cleaning product (avoid caustic products) and warm water to remove the remaining dirt. Always rinse the fabric after cleaning. Avoid cleaning in full sunlight: if soapy water dries quickly, it can leave spots on the fabric. Do not use aggressive abrasives.
- If anodised or enamelled profiles become dirty, they can be cleaned with warm water and a gentle-acting cleaning product. Never use aggressive products, abrasive sponges or other abrasive media. We also advise against using high-pressure equipment.
- Swivelling or rotating parts should be lubricated annually. Use a dry lubricant for this (PTFE Flex Lube (1287)).
- After cleaning (remove twigs and leaves), plastic sliding sleeves can be lubricated with a dry lubricant (PTFE Flex Lube (1287)).
- Frequently control your product on twigs, leaves, bird nests, etc. and remove them. Maintain the product "as a good keeper".
- As the manufacturer, we recommend having a regular technical inspection by your installer:
 - Annually at public utility building and at your private home.
- Always use original parts from the manufacturer.

- Make sure never to let snow accumulate on the solar panel, and that its photovoltaic cells are not covered by snow, leaves, shadow etc. Keep the photovoltaic cells clean by cleaning them with clean water, using a soft cloth to avoid scratching them.

Important to know:

- RENSON does not take the liability or gives the warranty on the automatic control system for the motor screen, except the well-known systems of Somfy.
- RENSON can not guarantee that the communication protocol for automatic building control or system for home automation is compatible with the protocol for controlling the motor screen.
- Minor colour variations may occur during the manufacturing process between the colour guides and the profiles of the sunprotection screen. There may also be minor colour differences between components and profiles.
- The fabric may exhibit slight colour nuances and imperfections.
- Because the fabric is rolled up, it can form folds or creases.
- Creases/folds of fabric can occur and are not covered by the warranty.
- Over time, the colour of the fabric / crystal window may fade slightly, depending on the chosen colour and design. Direction may also have an influence on the colour (for example: Installation on the southside or westside).
- In the case of straight screens, where the fabric hangs down vertically because of the weight of the bottom rail or a tensioning system, wrinkles can form in the fabric depending on the type of screen.

11 • The guarantee does not cover

EN Area of application

- Any usage outside of applications defined by Renson constitutes non-compliance, and is therefore not covered by the guarantee (see point 4 Guarantee).

The guarantee does not cover

- Materials intensively exposed to damaging weather conditions.
- Materials exposed to an aggressive industrial environment and becoming discoloured or damaged as a result.
- Materials installed in an environment where there is a high salt content in the air, resulting in corrosion of the grooves.
- Products not installed in accordance with the manufacturer's instructions.
- Materials that become worn as a result of frequent or protracted use.
- Assembly taken place with too weak fixing material.
- Natural ageing.
- The use limits of the product (as listed in the manual) being exceeded.

- Use of non-compliant parts or parts not approved by our technical department.
- Incorrect or forced use. This is not a toy. It is not designed to be climbed or hang on.
- Installation, repairs or modifications carried out by unauthorised persons.
- Damage caused by third parties, such as transport damage, and other abnormal circumstances (damage caused by storms, hail, water, fire, etc.).
- Creases/folds of fabric are not covered by the warranty.
- RENSON is not responsible for glass breakage (e.g. by incorrect assembly or by the uneven heating up of the glazing).
- If the CE-sticker with the serial number has been removed or has been made unrecognizable.
- Situations where no sensors and/or programming were provided that all the usage conditions, stated in point 5, were satisfied.

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12 • Problem solving

EN	Fault/problem	Cause	Remedy
	The screen does not work	The wiring is incorrect	Check the wiring and modify it if necessary
		The motor is deactivated	Activate the motor using the battery's PROG button
		The battery is weak	Wait for the solar panel(s) to recharge the battery, or have the battery recharged
		One of the components (motor, battery, control point, etc.) is not working	See the corresponding guides
		The Somfy RTS control point battery is weak	Check if the battery is weak and replace it if necessary
	The screen stops too soon	The crown is incorrectly positioned	Fit the crown correctly
		The end limits have been incorrectly set	Readjust the end limits
	The roller shutter stops briefly before raising, when the Up button is pressed	The battery is weak	Wait for the solar panel(s) to recharge the battery, or have the battery recharged
	The roller shutter performs two brief movements in the same direction, when the Down button or STOP/my button is pressed	The battery is weak	Wait for the solar panel(s) to recharge the battery, or have the battery recharged
	The battery is recharged several times in a year using the external battery charger	The solar panel is faulty or damaged	Replace the solar panel
		The battery has reached the end of its service life	Replace the battery, see Battery Pack guide
	Screen is "open" at the sides	Screen has come out of guides	Open/shut the system once. If not remedied consult the installer
	Screen very loose when open	Bottom end point not set correctly	Adjust end point

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Type of product

Zipshade® Minimal Solar

Serial number

From

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To

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Date of manufacture

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Signature, final check

Dealer / installer stamp

Date	Type of maintenance	Name / Signature of installer

Conditional technical changes.
The most recent edition of the brochure can be downloaded on www.renson.eu

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