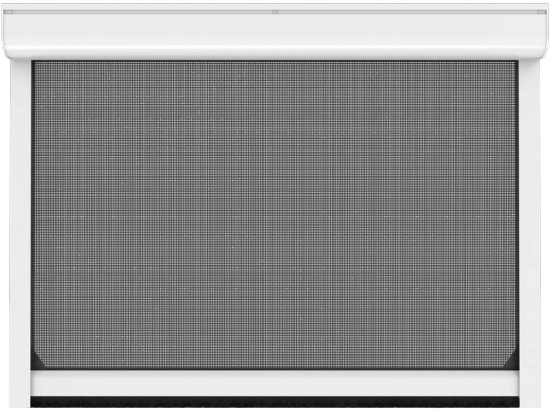
Retractable Motorized Screen

Owner's Guide and Installation Instructions

Inside Mount Installation

Scan the QR code to watch the installation video before you begin.

Thank you for choosing the Larson® Retractable Motorized screen. These instructions describe an **'inside' or 'recessed' mount installation**, in which the screen is recessed within the framed opening. Please read the complete installation instructions and watch the installation tutorial before beginning.



NEED HELP?

- Installation Support
- Replacement Parts
- Warranty Information

1-888-483-3768

larsondoors.com

Please do not return product to store.

CALL US.

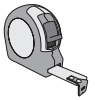
Tools Needed

Appropriate fasteners to attach the screen to the structure.
Fasteners must provide 1-1/2" or more embedment into the substrate.

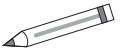
Safety Glasses



Measuring Tape



Pencil

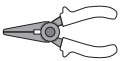


T25 Torx Bit

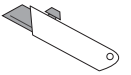
Phillips Head Bit



Long Nose Pliers



Utility Knife



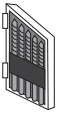
Power Saw with Metal Cutting Blade for Non-Ferrous Metals



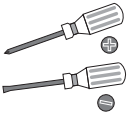
Power Drill



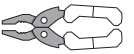
1/2" Drill Bit (long shank)



Phillips and Slotted Screwdriver



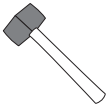
Electrical Wire Stripper



Scissors



Soft Mallet



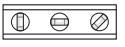
Saw Horses



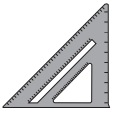
Ladder



Level



Speed Square



Hearing Protection



! Before You Begin

Electrical:
The screen requires access to a nearby 110V outlet power source. For your safety, disable the circuit at the electrical box before starting the installation.

People:
Two (2) or more people are required to install the screen.

Surface Preparation:
The mounting surface must be even, appropriate for the anchoring system and able to support the weight of the screen.

Note: Windy conditions may affect the performance of the screen. Retract the screen in windy circumstances, during inclement weather and when not needed to support immediate ventilation or prolonged periods of time when not used. Not intended to keep pets or children inside.

a. Determine location and orientation of unit to install.

b. Confirm and inspect all products.

c. Confirm the measurements of your opening and that the product you received will properly fit your opening.



1 Remove Housing Cover

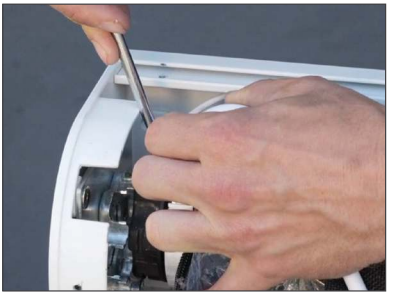
Remove housing cover using a T-25 Torx Bit. Save screws for reinstalling the housing cover in Step 20.



2 Remove Motor Clip and Screen Tube

Remove motor clip using pliers. Remove the roll screen tube using a flat head screwdriver to compress the spring-loaded fit mechanism while guiding and removing the screen tube from the housing.





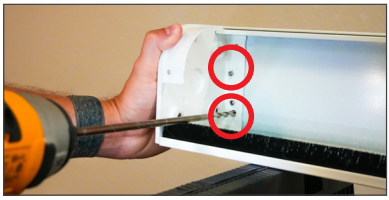
3 Reattach Motor Clip

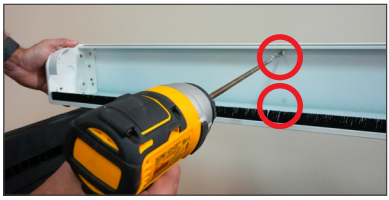
Reattach motor clip to motor-side housing.



4 Prepare Housing

Prepare housing for installation by drilling holes with a 1/4" bit. Drill holes in both housing end cap flanges. Now drill two additional holes at the center point of the housing and others every 30"-36".





5 Measure for Side Track Mounting Angle

Measure the vertical distance on each side of the opening to determine the cut length of the angle frame pieces.



6 Cut Side Track Mounting Angle to Size

Mark and cut side track mounting angle to the measurement taken in Step 5.





7 Install Side Track Mounting Angles

a. Measure, mark and drill installation holes in side track mounting angles (6" from each end, then at even intervals spaced approximately 20" apart).

b. Place side track mounting angle against structure and ensure it is plumb.

c. Fasten side track mounting angle to structure with screws at each marked point.



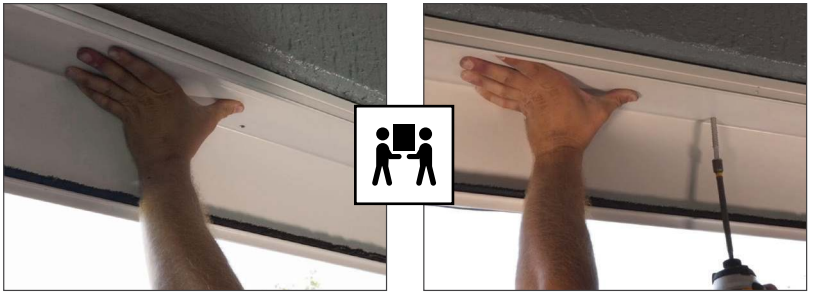
8 Prepare Housing and Header

Mark center of housing and header.



9 Install Housing

Hold housing against side track mounting angles and the opening header. Align center marks on housing and header and fasten housing to header using appropriate fasteners (not included). Ensure that the fasteners are driven at least 1-1/2" into structural framing.



10 Install Motor Cord

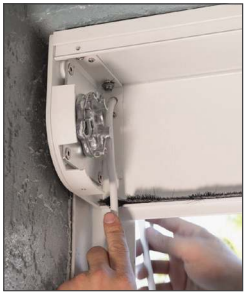
a. Determine the best power cord exit location for the application. Drill a 1/2" hole through the housing and insert grommet into hole.



b. Place motor cord through motor housing channel.



c. Route wire through grommet installed in Step 10a.



11 Install Screen Tube

a. Install and compress roll tube idler end first.

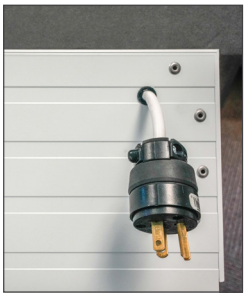


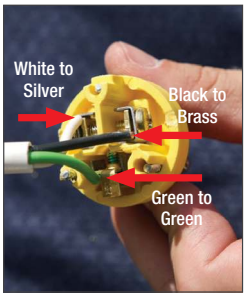
b. Feed the motor cord through the hole in the housing then place pressure at the end of roll screen tube with a flat head screwdriver to snap the motor head into locking plate.



12 Make Electrical Connections

Connect the electrical wires to the proper screws. Install the outer cap/cover so that the individual wires and connections are concealed and protected.







13 Set Up Remote

Note: Select channel number first if using multi-channel remote.

a. Plug unit in and wake up motor by **pressing and holding the up and down buttons together until the motor jogs.**





b. Check for correct screen rotation. If the screen moves in the opposite direction of the button, **press and hold the "my" button until unit jogs to change rotation.**

Note: Press the "my" button to stop the screen in place.





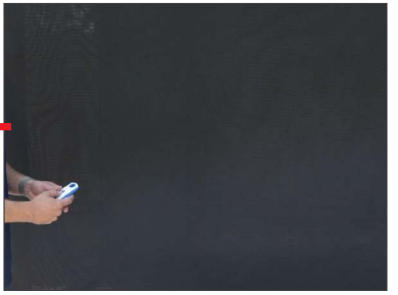
c. Set temporary upper screen limit 8" from top by **pressing the "down" and "my" buttons together. The screen will lower.**





d. Set temporary lower screen limit 8" from ground by **pressing the "up" and "my" buttons together. The screen will raise.**





e. Stop screen around waist height. **Press and hold the "my" button until screen jogs.**





13 Set Up Remote *Continued*

f. Briefly **press the "Programming" button** on back side of remote. The screen will jog.

Note: Programing procedures may vary depending on the remote. For further guidance see the separate instructions that came with the remote.

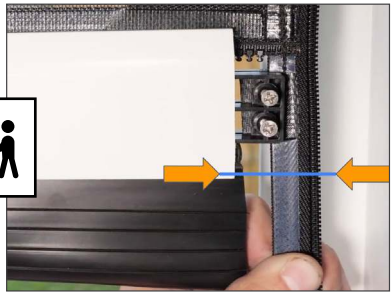


14 Install Bottom Bar

a. Slide screen zipper into bottom bar chase.



b. Connect probe to flag and secure screws. Trim excess zipper 1/2" below the probe.



15 Measure for Track Height

Measure track height on left and right sides of screen to determine track lengths. Measure from the bottom of the housing to the floor.



16 Cut Side Tracks and Side Track Covers

Snap side track cover onto side track body. Measure and cut left and right side tracks and side track covers. The top of each side track has a funnel which functions as a fabric zipper lead-in. **Do not include funnel in measurement - measure from flat. Do not cut any portion of this funnel from the top of the tracks. Cut only the floor side of these tracks.**





17 Attach Side Tracks

Position tracks beneath housing while inserting the side fabric zippers into funnel at top of each side track. Position side tracks against side track mounting angle.



18 Lower Screen Through Side Tracks

While holding left and right tracks in place, lower screen to bottom limit.



19 Install Side Track and Side Track Covers

Plumb and fasten side tracks to angles with self-drilling screws. Locate screws 6" from top and bottom then spaced evenly approximately every 20". Install side track covers.



20 Reinstall Housing Cover

Reinstall housing cover.

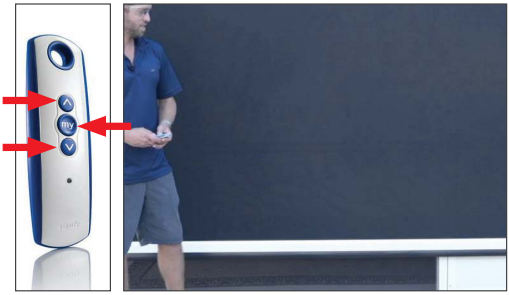


21 Set Final Upper and Lower Limits

a. Raise screen to temporary upper limit. **Press the "up" and "down" buttons together until screen jogs. May take up to 15 seconds.** Adjust to desired upper limit, **hold the "my" button until unit jogs.**



b. Lower screen to temp lower limit. **Press the "up" and "down" buttons together until screen jogs. May take up to 15 seconds.** Adjust to desired lower limit, **hold the "my" button until unit jogs.**



Note: Programing procedures may vary depending on the remote. For further guidance see the separate instructions that came with the remote.

22 Final Product

Please save these instructions in case you need to service, adjust or reprogram the screen. Enjoy your new retractable screen!



Troubleshooting Guide

Problem:	Cause:	Solution:
Screen does not “jog” when plugged in.	• No power at outlet. • Grounded plug not wired correctly. • Defective motor.	• Verify power to outlet. • Verify correct wiring. • Replace motor.
Problem:	**Cause:**	**Solution:**
Remote will not pair to motor.	• No power to motor. • Battery installed incorrectly. • Battery is dead. • Defective remote.	• Verify motor has power. • Verify battery position. • Replace battery. • Replace remote.
Problem:	**Cause:**	**Solution:**
Unit rotates the wrong direction.	• Direction was not set during remote programming.	• Adjust limits (see the Motor/ Remote Programing Guide).
Problem:	**Cause:**	
Screen will not go down all the way.	• Screen tension is too tight. • Screen encountered an obstacle.	
	Solution:	
	• Adjust the side tracks so that the fabric is not too loose or too tight as it travels the length of the side tracks. Plumb and install side tracks. • Remove obstacle from under screen.	
Problem:	**Cause:**	**Solution:**
Limits too high/low.	• Limit set incorrectly.	• Adjust limits (see the Motor/ Remote Programing Guide).
Problem:	**Cause:**	**Solution:**
Screen has a zipper clicking noise when going down.	• Top of sidetracks too tight.	• Adjust top of sidetracks in slightly.

This product incorporates one or more of the following devices manufactured by Somfy® Systems, Inc. Please refer to Somfy’s safety and communication device compliance documentation for details.

- Maestria® 50 RTS 550R2 Motor (1134095)
- Soliris RTS Sun and Wind Sensor (9012500)
- Telis 1 RTS Patio Single Channel Remote (1810643)
- Telis 4 RTS Patio Five Channel Remote (1810645)
- Telis 16 RTS Sixteen Channel Pure Remote (1811081)
- Situo® 5 RTS Soliris Five Channel Remote (1870579)

This is a motorized screen and it requires a power source to operate. The screen will NOT move up or down without power. For this reason, it is highly recommended that you arrange to have an appropriate backup power supply.

This product is intended to provide reasonable insect, wind or solar control protection. It is not for the purpose of providing security or to provide for the retention of objects, pets or persons from the interior. The following are some additional DO NOT USE situations and notifications:

Do NOT use this product in any location where a fall from the opening as possible.

Do NOT use this product to restrain people, pets or objects.

Do NOT use this product in an opening that may be needed for egress or emergency escape.

Do NOT use this product during extreme conditions (e.g. snow, hail, ice, wind, heat, cold, etc.).

LARSON

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Retractable Motorized Screen

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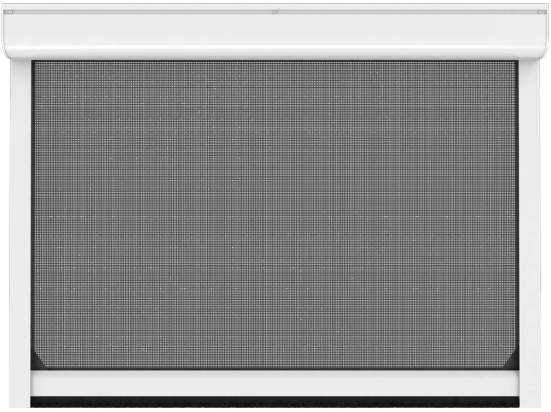
Retractable Motorized Screen

Owner's Guide and Installation Instructions

Outside Mount Installation

Scan the QR code to watch the installation video before you begin.

Thank you for choosing the Larson® Retractable Motorized screen. These instructions describe an **'outside' or 'surface' mount installation**, in which the screen is on the surface of the wall beyond the framed opening. Please read the complete installation instructions and watch the installation tutorial before beginning.



NEED HELP?

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- Warranty Information

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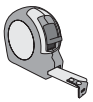
Tools Needed

Appropriate fasteners to attach the screen to the structure.
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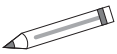
Safety Glasses



Measuring Tape



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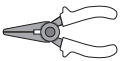


T25 Torx Bit

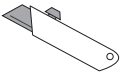
Phillips Head Bit



Long Nose Pliers



Utility Knife



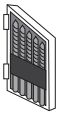
Power Saw with Metal Cutting Blade for Non-Ferrous Metals



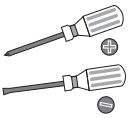
Power Drill



1/2" Drill Bit (long shank)



Phillips and Slotted Screwdriver



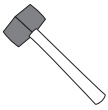
Electrical Wire Stripper



Scissors



Soft Mallet



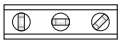
Saw Horses



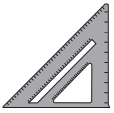
Ladder



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Speed Square



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1 Remove Housing Cover

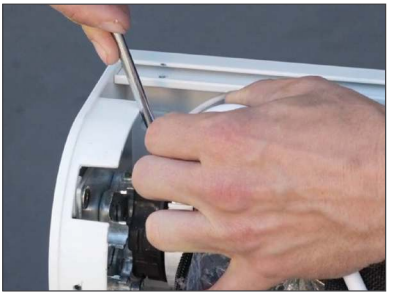
Remove housing cover using a T-25 Torx Bit. Save screws for reinstalling the housing cover in Step 17.



2 Remove Motor Clip and Screen Tube

Remove motor clip using pliers. Remove the roll screen tube using a flat head screwdriver to compress the spring-loaded fit mechanism while guiding and removing the screen tube from the housing.





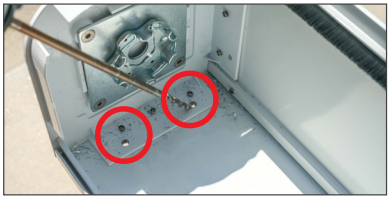
3 Reattach Motor Clip

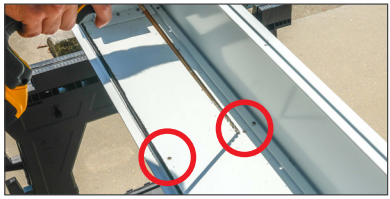
Reattach motor clip to motor-side housing.



4 Prepare Housing

Prepare housing for installation by drilling holes with a 1/4" bit. Drill holes in both housing end cap flanges. Now drill two additional holes at the center point of the housing and others every 30"-36".





5 Prepare Housing and Header

Mark center of housing and header.





6 Install Housing

Align center marks on housing and header and fasten housing to header using appropriate fasteners (not included). Ensure that the fasteners are driven at least 1-1/2" into structural framing.



7 Install Motor Cord

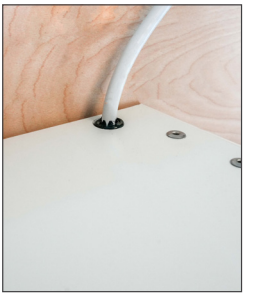
a. Determine and drill 1/2" cord access hole through housing and insert grommet into access hole.



b. Place motor cord through motor housing channel.



c. Route wire through grommet installed in Step a.



8 Install Screen Tube

a. Install and compress roll tube idler end first.

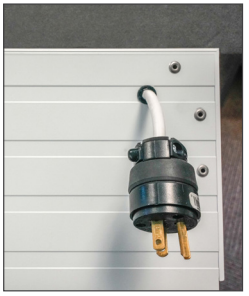


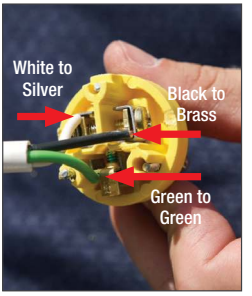
b. Feed the motor cord through the hole in the housing and snap motor head into locking plate.



9 Make Electrical Connections

Connect the electrical wires to the proper screws. Install the outer cap/cover so that the individual wires and connections are concealed and protected.







10 Set Up Remote

Note: Select channel number first if using multi-channel remote.

a. Plug unit in and wake up motor by **pressing and holding the up and down buttons together until the motor jogs.**




b. Check for correct screen rotation. If the screen moves in the opposite direction of the button, **press and hold the "my" button until unit jogs to change rotation.**

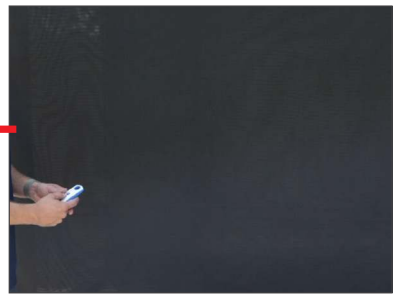
Note: Press the "my" button to stop the screen in place.




c. Set temporary upper screen limit 8" from top by **pressing the "down" and "my" buttons together. The screen will lower.**




d. Set temporary lower screen limit 8" from ground by **pressing the "up" and "my" buttons together. The screen will raise.**

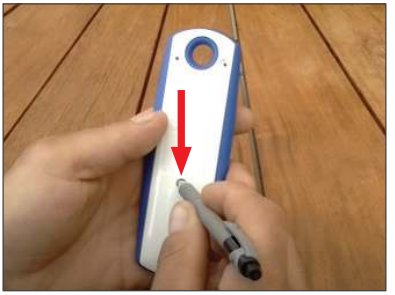
10 Set Up Remote *Continued*

e. Stop screen around waist height. **Press and hold the "my" button until screen jogs.**





f. Briefly **press the "Programming" button** on back side of remote. The screen will jog.



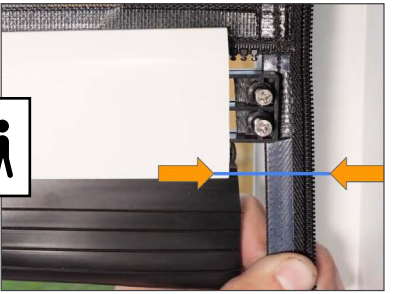
Note: Programing procedures may vary depending on the remote. For further guidance see the separate instructions that came with the remote.

11 Install Bottom Bar

a. Slide screen zipper into bottom bar chase.

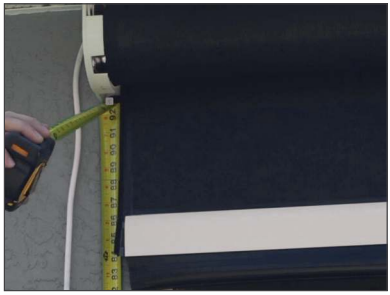


b. Connect probe to flag and secure screws. Trim excess zipper 1/2" below the probe.



12 Measure for Track Height

Measure track height on left and right sides of screen to determine track lengths.



13 Cut Tracks

Measure and cut left and right side tracks and side track covers. The top of each side track has a funnel which functions as a fabric zipper lead-in. **Do not include funnel in measurement - measure from flat. Do not cut any portion of this funnel from the top of the tracks.** Cut only the floor side of these tracks.





14 Attach Tracks

Position tracks beneath housing and insert zippers into funnel at top of each track.

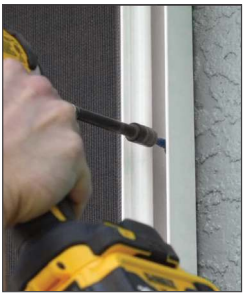


15 Lower Screen Through Tracks

a. While holding left and right tracks in place, lower screen to bottom limit.



b. Level and install tracks with appropriate fasteners (not included).



c. Test screen function by running screen up and down. Adjust tracks as needed.



16 Attach Track Covers

Attach track covers using rubber mallet.



17 Reinstall Housing Cover

Reinstall housing cover.

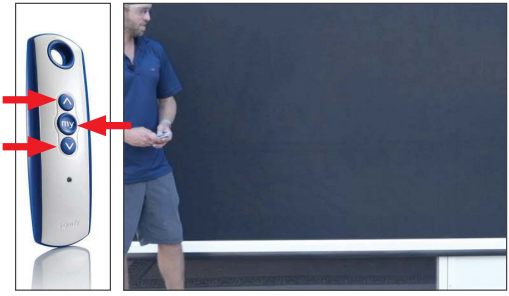


18 Set Final Upper and Lower Limits

a. Raise screen to temporary upper limit. **Press the "up" and "down" buttons together until screen jogs. May take up to 15 seconds.** Adjust to desired upper limit, **hold the "my" button until unit jogs.**



b. Lower screen to temp lower limit. **Press the "up" and "down" buttons together until screen jogs. May take up to 15 seconds.** Adjust to desired lower limit, **hold the "my" button until unit jogs.**



Note: Programing procedures may vary depending on the remote. For further guidance see the separate instructions that came with the remote.

19 Final Product

Please save these instructions in case you need to service, adjust or reprogram the screen. Enjoy your new retractable screen!



Troubleshooting Guide

Problem:	Cause:	Solution:
Screen does not “jog” when plugged in.	• No power at outlet. • Grounded plug not wired correctly. • Defective motor.	• Verify power to outlet. • Verify correct wiring. • Replace motor.
Problem:	**Cause:**	**Solution:**
Remote will not pair to motor.	• No power to motor. • Battery installed incorrectly. • Battery is dead. • Defective remote.	• Verify motor has power. • Verify battery position. • Replace battery. • Replace remote.
Problem:	**Cause:**	**Solution:**
Unit rotates the wrong direction.	• Direction was not set during remote programming.	• Adjust limits (see the Motor/ Remote Programing Guide).
Problem:	**Cause:**	
Screen will not go down all the way.	• Screen tension is too tight. • Screen encountered an obstacle.	
	Solution:	
	• Adjust the side tracks so that the fabric is not too loose or too tight as it travels the length of the side tracks. Plumb and install side tracks. • Remove obstacle from under screen.	
Problem:	**Cause:**	**Solution:**
Limits too high/low.	• Limit set incorrectly.	• Adjust limits (see the Motor/ Remote Programing Guide).
Problem:	**Cause:**	**Solution:**
Screen has a zipper clicking noise when going down.	• Top of sidetracks too tight.	• Adjust top of sidetracks in slightly.

This product incorporates one or more of the following devices manufactured by Somfy® Systems, Inc. Please refer to Somfy’s safety and communication device compliance documentation for details.

- Maestria® 50 RTS 550R2 Motor (1134095)
- Soliris RTS Sun and Wind Sensor (9012500)
- Telis 1 RTS Patio Single Channel Remote (1810643)
- Telis 4 RTS Patio Five Channel Remote (1810645)
- Telis 16 RTS Sixteen Channel Pure Remote (1811081)
- Situo® 5 RTS Soliris Five Channel Remote (1870579)

This is a motorized screen and it requires a power source to operate. The screen will NOT move up or down without power. For this reason, it is highly recommended that you arrange to have an appropriate backup power supply.

This product is intended to provide reasonable insect, wind or solar control protection. It is not for the purpose of providing security or to provide for the retention of objects, pets or persons from the interior. The following are some additional DO NOT USE situations and notifications:

Do NOT use this product in any location where a fall from the opening as possible.

Do NOT use this product to restrain people, pets or objects.

Do NOT use this product in an opening that may be needed for egress or emergency escape.

Do NOT use this product during extreme conditions (e.g. snow, hail, ice, wind, heat, cold, etc.).

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202221229 Rev. 06/23 Retractable Motorized Screen

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