

# Rainier Screen

## Assembly Instructions

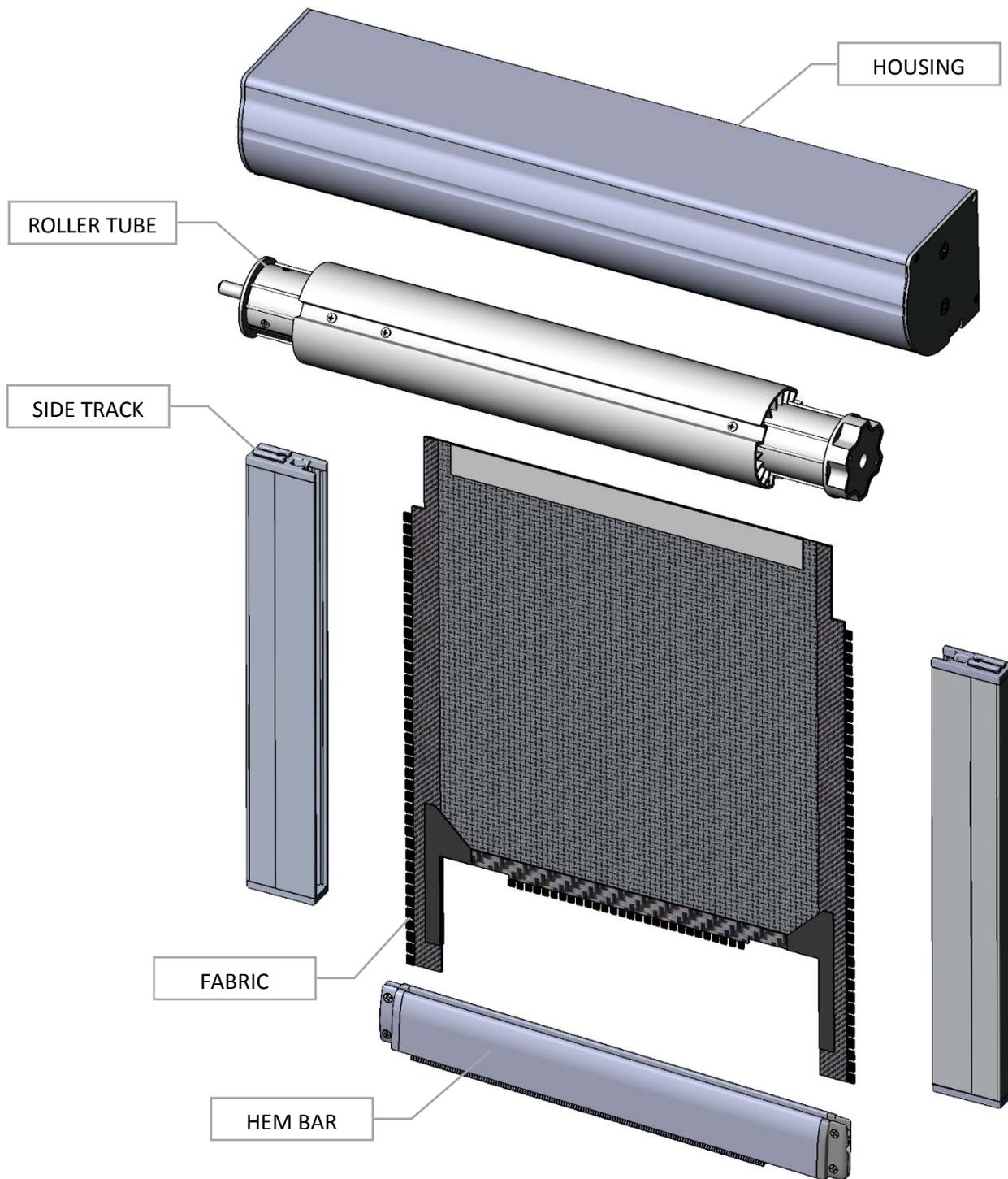


# Rainier Screen Assembly Instructions

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# EXPLODED VIEW OF SERIES 4 SRS SCREEN ASSEMBLIES:



## RECEIVING YOUR POWER SCREEN:

Your power screen will come packaged in a sized cardboard package with reinforced edges. If your package arrives damaged in any way, note the damage on the shipping documents.

Upon receiving your power screen, check the package for all components:

- (1) Set of side tracks.
- (1) Housing assembly containing (1) Roller Tube assembly.
- (1) Fabric and Hem Bar assembly.
- Build-out material - if ordered.
- (1) Accessory bag:
  - Installation Manual.
  - Motor Programming Instructions.
  - Rubber grommet.
  - 110v 3-prong plug.
  - Remote control - if ordered.
  - Accessories - if ordered.

If any of the above materials arrive damaged, take photos of the damage and contact your sales rep for replacement parts.

Screen "First-Aid Kits" are available, which contain most of the parts that can make an installation go smoother - fasteners, touch-up paint, end caps, brackets and other parts.



## INSTALLATION RECOMMENDATIONS:

### IMPORTANT NOTE:

Because of the nature of this product, mounting procedures may vary. In all cases, the installer must determine the best choice and amount of mounting fasteners and/or build-out material for the specific installation. The notes below are **only** recommendations for a generic installation.

### SITE PREPARATION:

A two-man crew is recommended for a successful, hassle-free installation due to the weight and length of the screen assemblies. It may be possible for small units to be installed by a one-man crew.

Examine the location where the housing will be installed and where the cable will be routed. The surface mount side tracks allow for the cord to be hidden with the snap-on cover. If you are going to route the cord through the side tracks, drill an appropriately sized hole on the respective side track.

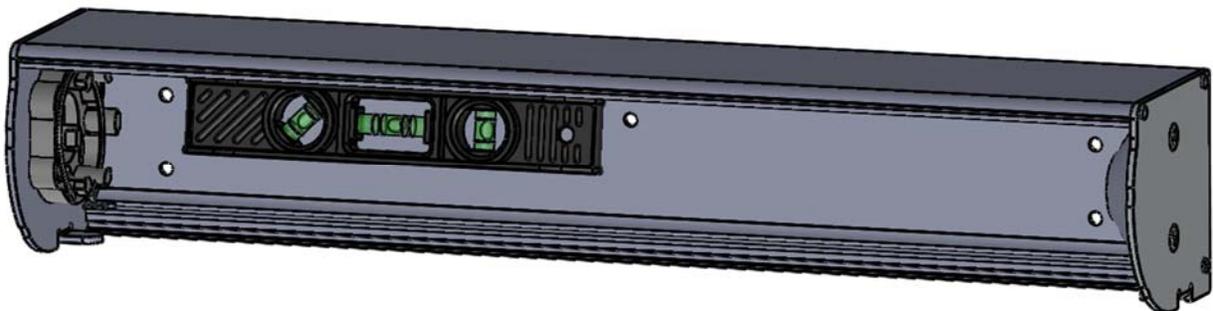
### HOUSING INSTALLATION:

**Remove the housing cover from the housing assembly** and set aside.

The Roller Tube assembly comes packaged inside of the housing assembly and supported by packaging material. **Remove the Roller Tube from the housing assembly** and set aside.

**Pre-drill the housing for mounting.** Holes should be located as close as possible to the outside edges of the housing. Additional support holes may be required. Additional holes should be as high as possible inside the housing to prevent interference with the fabric cover. De-burr holes if necessary.

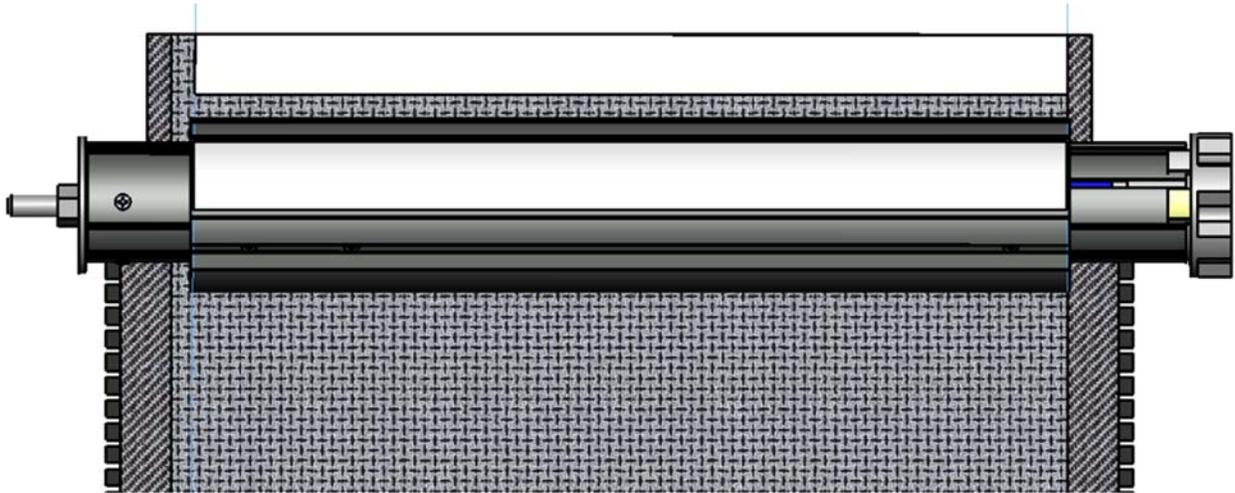
**Position the housing in the desired mounting location and install one outermost screw. Verify that housing is level and install outermost screw on the opposite side of the housing. Install the remaining fasteners.** Be cautious of over-tightening the fasteners which may cause the housing to bow.



## ATTACHING THE FABRIC TO THE ROLLER TUBE ASSEMBLY:

Proper installation of the fabric to the roller tube is a critical and often overlooked portion of the power screen installation. These assemblies are attached to each other by hook and loop, which is easily adjustable. Extra care and time applied here to properly center the fabric can provide a much easier installation.

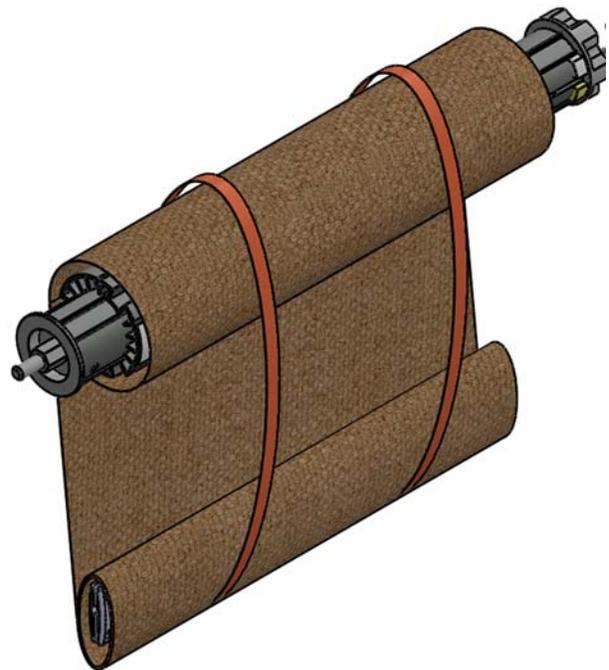
The loop on the fabric and the hook on the roller tube are of equal lengths and should line up on both ends. Making sure that the sewn loop is facing up, **unroll about 12" of fabric from the fabric/hem bar assembly.**



The hook is already applied adhesively to the roller tube. **Line up the hook and loop** so that they are centered on each other and ready to be applied. **Ensure that the fabric is going to be attached in the correct direction** to allow the motor to mount on the correct side. Starting at one edge, **connect the hook and loop.** Work your way down the length of the roller tube, ensuring that the attachment is straight and level, but not stretched. Once the hook and loop is fully attached, **ensure that the fabric is still centered on the roller tube.**

**Tie a strap on both ends to support the hem bar from the roller tube during installation.**

**Tip:** *The hook and loop attachment allows you to adjust the power screen for optimal performance. If you are experiencing problems deploying, check that the fabric is attached squarely and centered on the roller tube.*



## INSTALLING THE ROLLER TUBE ASSEMBLY:

The roller tube is installed into the housing assembly with a spring-loaded idler pin and a motor mounting clip which comes already attached to the motor mount.

Remove the motor mount clip from the motor mount. Be careful not to lose the clip.

Locate the idler end of the roller tube. **Lift the roller tube assembly into position and insert the idler pin into the idler mount.** The idler mount already has grease applied from production. **Pin should be fully inserted!**

Align the motor end of the roller tube assembly with the motor mounting bracket. Depress the idler pin fully to allow room to **insert the motor head to the motor mount.** Be aware of the power cord positioning. Make sure that the yellow cover flap is down and flush.

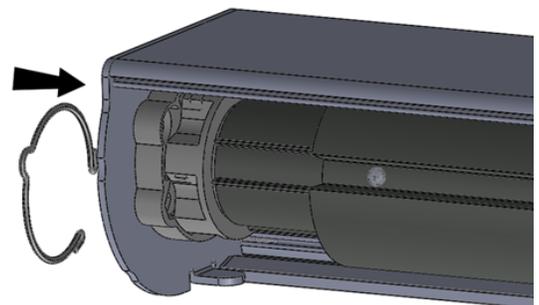
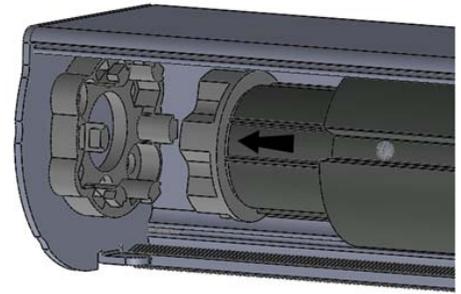
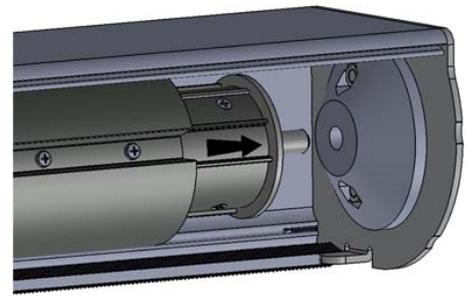
**Reattach the motor mount clip** to lock the motor into place. This clip is vital to prevent the roller tube from coming unattached.

**Release the straps holding the hem bar assembly** and allow the fabric to unroll from the hem bar. Check again that the fabric is properly centered on the roller tube.

**Apply power to the motor.**

**Pair the remote to the motor.** Ensure that the roller tube is turning the expected direction. Refer to the Somfy remote instructions for more support.

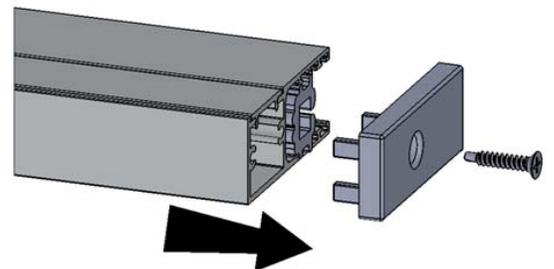
**TIP:** Browse to <https://store.rainiershade.com/installation-videos/screen-installation-videos.html> for short videos on correct installation procedures.



## CUTTING THE SRS SIDE TRACKS:

The SRS side track assemblies are manufactured to the overall height of the screen as ordered. This gives you extra length and allows you to adjust the length to the specific site.

**Cut the SRS side tracks assemblies (PVC included) to the required length. Then, de-burr. After, Remove the side track bottom cap from the cutoff piece and reattach to the side track, now the proper length for installation.**



## INSTALLATION OF BUILD-OUT MATERIAL:

Before the side tracks or housing are mounted, install any required build-out material to facilitate the installation. We recommend and stock a standard 1" x 2.5" x 0.125" L-Angle for inset mount applications. It is important in stalling any build-out material that you create a level and flush surface that will line up the surface mount side tracks to the housing correctly.

## SURFACE MOUNT SIDE TRACK INSTALLATION:

Proper side track installation is the most critical aspect to good power screen installation! The majority of service calls and problems can be traced back to an out of square or improper side track installation. Take proper care to ensure that tracks are plumb and square!

The rear surface of the side tracks and the back surface of the housing should be flush with each other. Also, the outer surface of each side track should line up with the ends of the housing assembly.

Remove the snap-on cover from the side tracks.

If you are routing the cord through the side track, do it now.

It is best to use the fabric to help properly align the side tracks. **Deploy the screen about 12" down from the housing.**

**Position a side track in place by sliding it onto the deployed fabric zipper.** Use the registration grooves on top of the side track to ensure alignment with the housing and attach the side track to the mounting **surface** with an appropriate fastener within the top 6" of the side track. Do not fully fasten the side tracks to the mounting surface at this time.

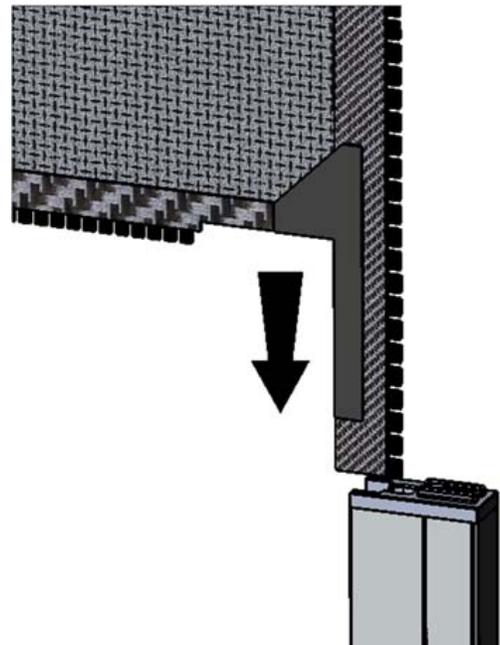
**Repeat this process for the other side track.**

**Lower the screen roughly 24".** The side tracks (fastened only at the top) should adjust themselves to properly align with the fabric zippers. The screw head on the hem bar end cap should be just barely visible. **Install another fastener 24" below the previous fastener.**

**Repeat this process of partially lowering the screen and fastening the surface mount side tracks until the side tracks are fully mounted.**

**Run the screen up and down to verify that the side tracks are properly installed.** The screen material should be tight between the side tracks, but loose enough to allow the screen and hem bar to travel freely up and down. There should be a slight flutter to the fabric.

**Install the snap-in cover.**

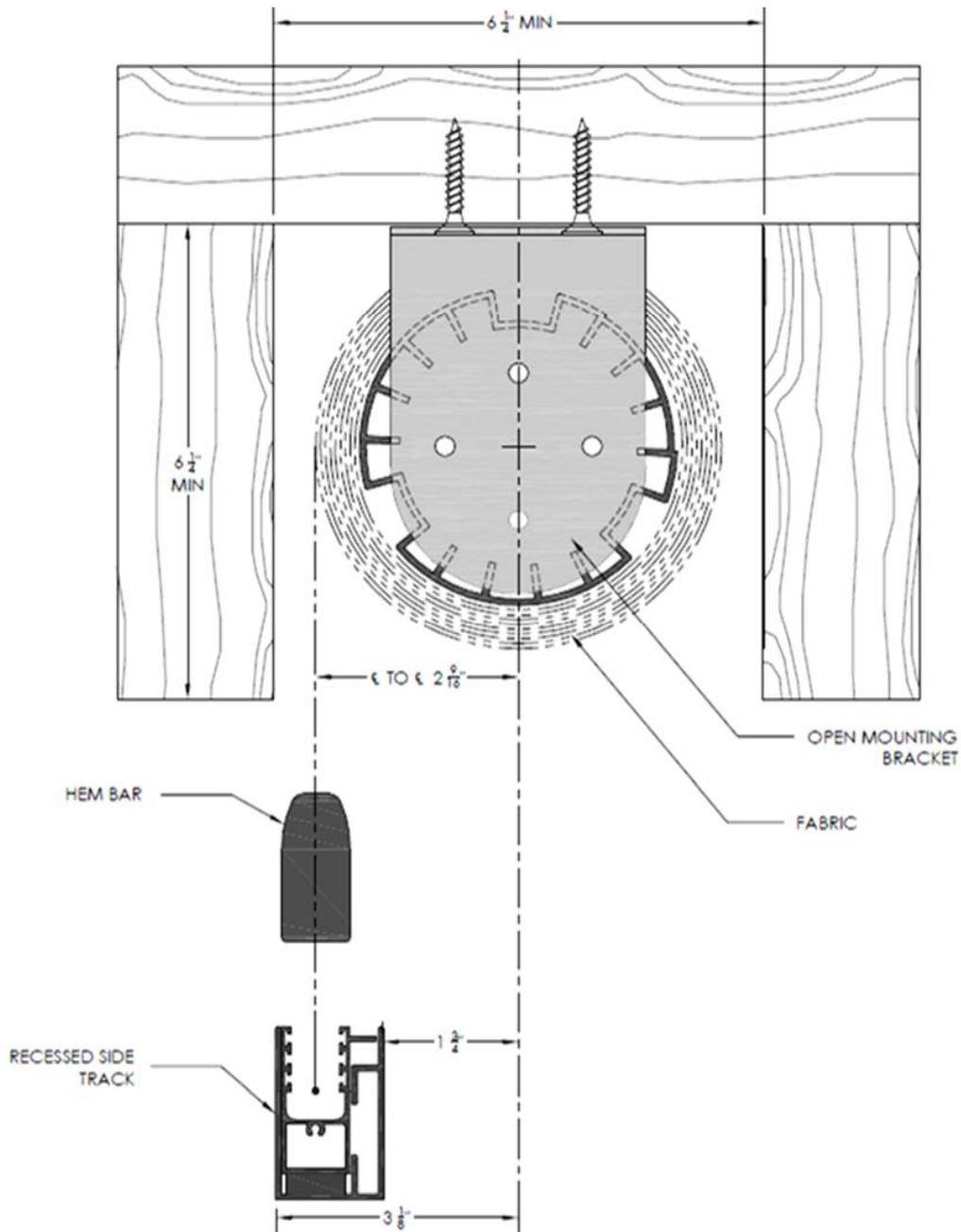


## RECESSED SIDE TRACK INSTALLATION:

Recessed side tracks are designed to be installed into a custom pocket in a structure. The recessed tracks arrive as two separate pieces: A "C" -channel outer side track that is installed into the custom pocket and the inner side track that attaches to the outer side track.

**Install the outer side track.** It is critical that the outer side track be lined up properly to the housing. **See the diagram below.** A pocket to house the outer side track can be completed before or after installing the outer side track.

**Insert the inner side track (as shown below) and attach it with the provided screws in the predrilled holes.** Tighten or loosen these screws to adjust the plumb on the insert track. Some fine-tuning will be required. Do not over tighten! A 6.5" pocket depth will contain the fabric roller tube, but not hide the hem bar. Additional depth may be required.

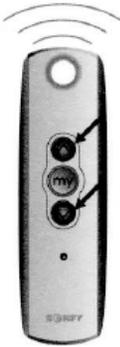


## INSTALLING THE HOUSING COVER:

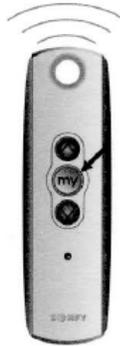
Reattach the housing cover to the housing by inserting the tongue of the housing cover into the groove on the housing base. Press down on the housing until it snaps firmly into place on the end plate tabs. Once the cover is completely installed, it will line up correctly with the end plate profile.

On large installations, it is advised to fasten the cover shut to the end cap tab with a self-tapping screw.

## SETTING THE MOTOR UNITS:



**STEP 1**  
Initiate programming by pressing both the **Up** and **Down** buttons at the same time until the motor jogs.  
**NOTE: After every command the motor will jog to confirm.**



**STEP 2**  
Check the directions by pressing the **Up** or **Down** buttons (the motor will work in momentary function). To change the direction press and hold the **Stop** button until the motor jogs..



**STEP 3**  
Bring the motor to your desired upper limit. Now press both the **Stop** and **Down** buttons until the motor moves, then release. Stop the motor where the lower limit should be set, you can adjust by pressing the **Up** or **Down** buttons..



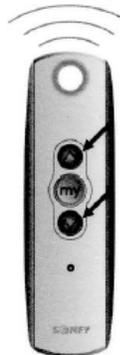
**STEP 4**  
Press and hold the **Stop** and **Up** buttons until the motor moves up, the motor will stop at the original upper limit point, adjust if necessary.



**STEP 5**  
Press and hold the **Stop** button until the motor jogs to confirm the limit setting.



**STEP 6**  
Press and hold the **Program** button on the back of the transmitter until the motor jogs. It will now operate in a maintained function. Double check limits as a precaution.



### TO ADJUST LIMITS

**To change the lower limit:** Move the motor to its current lower limit position and let it stop. Press the **Up** and **Down** buttons simultaneously until the motor jogs, then release. Adjust to a new lower limit position. Press the **Stop** button until the motor jogs, then release. Check new limit.

**To change the upper limit:** Move the motor to its current upper limit position and let it stop. Press the **Up** and **Down** buttons simultaneously until the motor jogs, then release. Adjust to a new upper limit position. Press the **Stop** button until the motor jogs, then release. Check new limit.



**To add a remote/channel or sun and wind sensor:** First press the programming button on the back of the already programmed remote until the motor jogs. Then press the programming button on the remote or wind sensor that you would like to add until the motor jogs.

**To reset the motor:** you will need to disconnect power (120vac) for 2 seconds, reconnect for 10 seconds, disconnect for another 2 seconds and reconnect. The motor should start to move and then stop on it's own (If this does not happen, continue to perform the disconnects until it does). Once the motor stops moving on it's own, press and hold the programming button on the back of the remote and count to ten without letting go. The motor should jog twice.

## **TROUBLESHOOTING:**

Installing a power screen comes down to just a few basic steps. If you run into difficulty with your power screen, try the following!

### **POWER SCREEN IS NOT RESPONDING TO REMOTE:**

- Check the power source.
- Check the wire connection to the 3-prong plug.
- Unplug the screen for 15 seconds and try again.
- Use the double disconnect procedure (see the bottom of the previous page)

### **POWER SCREEN IS NOT DEPLOYING SMOOTHLY:**

Try the 5-point inspection:

1. Check the track alignment to the housing and that the side tracks are plumb.
2. Check for any obstacles in the screens path or against the side tracks.
3. Check that the housing is level.
4. Check that the fabric is centered.
5. Check that the fabric to hem bar attachment does not interfere with the side tracks.

### **POWER SCREEN FABRIC HAS BECOME STUCK IN THE HOUSING:**

Generally, if the fabric has become stuck in the housing, you can pull the hem bar down and run it down. If this does not work, hold the hem bar firmly and run the screen up until it pulls the hem bar out of your hand, then run the screen down. This tightens the fabric on the roller tube and allows it to properly deploy.

Once the fabric is unstuck, do a 5-point inspection to see what caused the back winding problem.

### **POWER SCREEN IS NOT DEPLOYING SMOOTHLY:**

Perform a 5-point inspection to see what may have caused the problem.

To return the screen to working condition:

1. Remove the side tracks.
2. Reinsert the zippers into the side tracks.
3. Deploy the screen.
4. Reattach the side tracks.
5. Perform another 5-point inspection to ensure that the installation is now correct.

### **POWER SCREEN MOTOR HAS STOPPED RESPONDING:**

Somfy motors have a failsafe to stop them from overheating. If you have been running the screen up and down repeatedly, wait for 20 minutes and try again so that the motor can allow itself to cool down.