

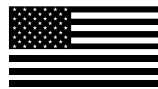
Zen Roll

Owner's Manual

with Cable Guides



INSTALLERS: PLEASE LEAVE THIS MANUAL WITH THE OWNER.





Limited 1 year warranty on Screen Innovations products

Screen Innovations warrants its products, to the original purchaser only, to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase by the original purchaser provided they are properly operated according to Screen Innovations' instructions and are not damaged due to improper handling or treatment after shipment from the factory.

This warranty does not apply to equipment showing evidence of misuse, abuse, or accidental damage, or which has been tampered with or repaired by a person other than authorized Screen Innovations personnel.

Screen Innovations' sole obligation under this warranty shall be to repair or to replace (at Screen Innovations' option) the defective part of the merchandise. Returns for service should be made to your Screen Innovations' dealer. If it is necessary for the dealer to return the screen or part to Screen Innovations, transportation expenses to and from Screen Innovations are payable by the purchaser and Screen Innovations is not responsible for damage in shipment. To protect yourself against damage or loss in transit, insure the product and prepay all transportation expenses.

This warranty is in lieu of all other warranties, express or implied, including warranties as to fitness for use and merchant ability. Any implied warranties of fitness for use, or merchantability, that may be mandated by statute or rule of law are limited to the one (1) year warranty period. This warranty gives you specific legal rights, and you may also have other rights, which vary from state-to-state. No liability is assumed for expenses or damages resulting from interruption in operation of equipment, or for incidental, direct, or consequential damages of any nature.

In the event that there is a defect in materials or workmanship of a Screen Innovations product, you may contact our Sales Partners at 9715-B Burnet Road Suite 400, Austin, TX 78758, (512) 832-6939.

Important: this warranty shall not be valid and screen innovations shall not be bound by this warranty if the product is not operated in accordance with screen innovations' written instructions.

Keep your sales receipt to prove the date of purchase and your original ownership.



Please use this QR Code to access the updated installation instructions and related documents.

Technical Support: 512.832.6939

Hours of Support: 7:30am - 5pm CST

screeninnovations.com

support@screeninnovations.com

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OPERATING AND CARE OF YOUR SHADE

- Operation of the shade systems should only be completed by responsible parties
- Always check the path of the Zen Shade before operating to ensure that the path is clear of furniture or other obstacles that could prevent full operation. Also monitor the Zen Shade for smooth operation through its entire range. Operating a Zen Shade unattended may lead to damage from obstructions or other causes.
- DO NOT lower Zen Shades during high wind conditions (depends on fabric and site, but general rule is 20mph and higher gusts). Doing so could result in damage that will need to be repaired by a qualified technician. If the shade system is currently in the down position, it is usually okay to operate the shade and retract it. However, avoiding operation at any time when High Wind conditions are present is considered proper operation.
- For Zen Zipper Guide - Side Track maintenance is important to ensure proper operation and trouble free performance of the Zipper track system. It is recommended that an annual or bi-annual cleaning of the side tracks be performed by clearing any debris and/or dirt/dust that has built up in the track housing and zipper inserts. A light power washing and/or utilizing a air blower to “blow the debris” out of the tracks. A periodic light spraying of the food based Silicone after said maintenance may be necessary or preferred during this maintenance operation to ensure a smooth and proper operation of the zipper track system but is not considered to provide any smoother operation over time because it typically only lasts outdoors for 2-3 weeks.
- Fabric maintenance and cleaning - Zen Shade fabric is subject to weather, bugs, and debris under normal use and storage that could create the occasional need for maintenance and cleaning. While fading and wear over time are normal, debris and pests could accelerate this wear. Shade fabrics can be rinsed with a hose to clean off debris. A pressure washer with a low pressure nozzle and light, fabric-safe soap may also be used. Scrubbing with a bristle brush or pad is not recommended.
- Fabric maintenance - cable and no-guide - Cable guide and no-guide shades will require occasional maintenance to the cut ends of the fabric. The frequency depends on the fabric, environment, and use. Simply trim the edges with a blade or scissors, and cauterize the frays with a lighter or heat gun. Careful not to leave the heat source on the material too long, or it could damage the material.

BEFORE PROCEEDING

⚠ Read the instructions in their entirety before proceeding. Actions contrary to the instructions invalidate the warranty and may result in serious damage and/or injury.

Preparing for your installation: It is crucial that all installations are planned out carefully before specifying a shade order.

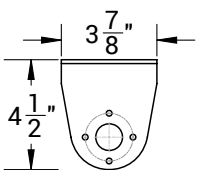
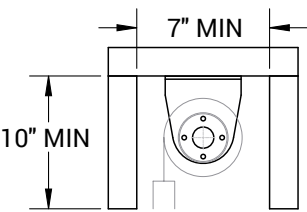
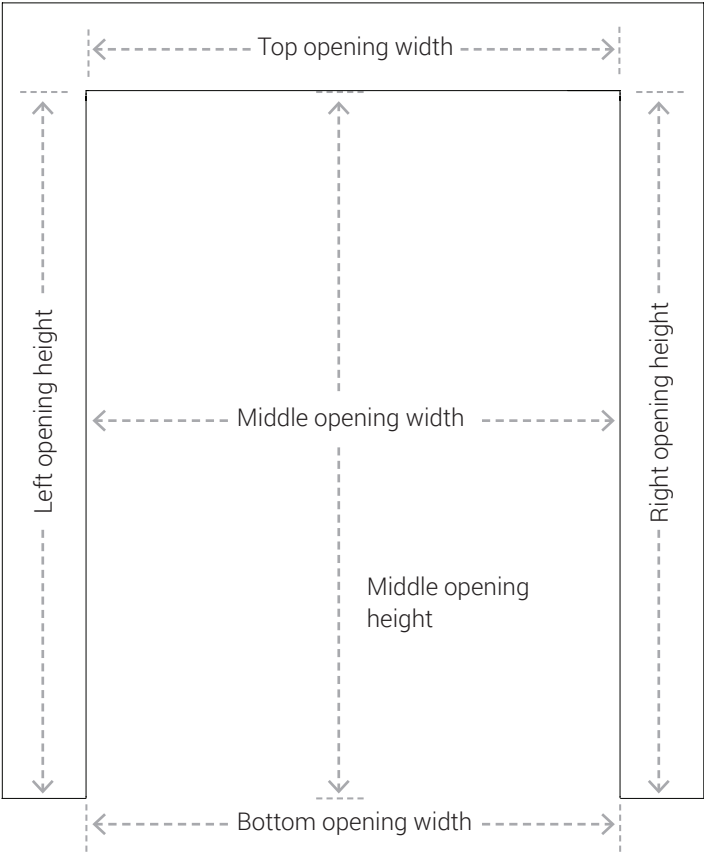
- Measure the opening carefully and make sure that the correct shade width is ordered.
- Make sure that the shade boxes can all be installed securely level. Add appropriate blocking or carpentry work before installing shades.
- SI will not cover any warranty on systems that are installed without original brackets. Warranty will be null & void if installation is performed by drilling directly through the box, both on ceiling and wall mount.
- Electrical work should be performed using appropriate electrical codes and regulation, by a licensed electrical professional.
- Source fasteners appropriate for the location of the cable guide mount and shade boxes will be mounted to.
- Before removing the screen from the packaging, check for damage and to make sure all parts are included.
- Do not use any sharp blades when opening the screen packaging. Open by hand.
- Care in mounting and correct operation will result in long and satisfactory service from the SI screen.
- Make sure to acquire appropriate mounting hardware for your installation as mounting hardware is not provided due to the need for the installer to identify mounting surface requirements.

SPECIFYING YOUR SHADE DIMENSIONS

Between Columns Mount (Inside opening)

Use this formula for specifying shades were the roll and cable guide can be seen from the inside of the installation opening.

MINIMUM OPENING WIDTH - 1/4" = TOTAL UNIT WIDTH = W TOTAL HEIGHT OF OPENING = TOTAL UNIT HEIGHT = H	<i>The measurements written on the order form will be the measurements produced. No deductions are taken on submitted order form.</i>
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Width		Height	
Top		Left	
Middle		Middle	
Bottom		Right	
As Built		As Built	

Width - Measure the total width at the top, middle, and bottom of your opening. Take the smallest measurement of the three and deduct a total of 1/4". This will give you the TOTAL UNIT WIDTH of your shade.

Drop - Measure the total height of your opening. That will be your TOTAL UNIT DROP for your shade. We do manufacture the tracks or guides for your system 5" longer than your TOTAL UNIT HEIGHT so you can have a little adjustment on site.

SPECIFYING YOUR SHADE DIMENSIONS

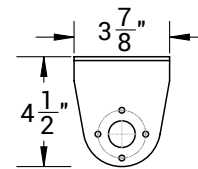
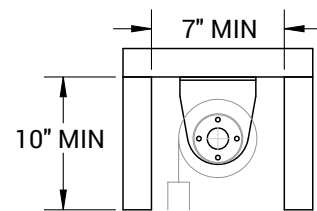
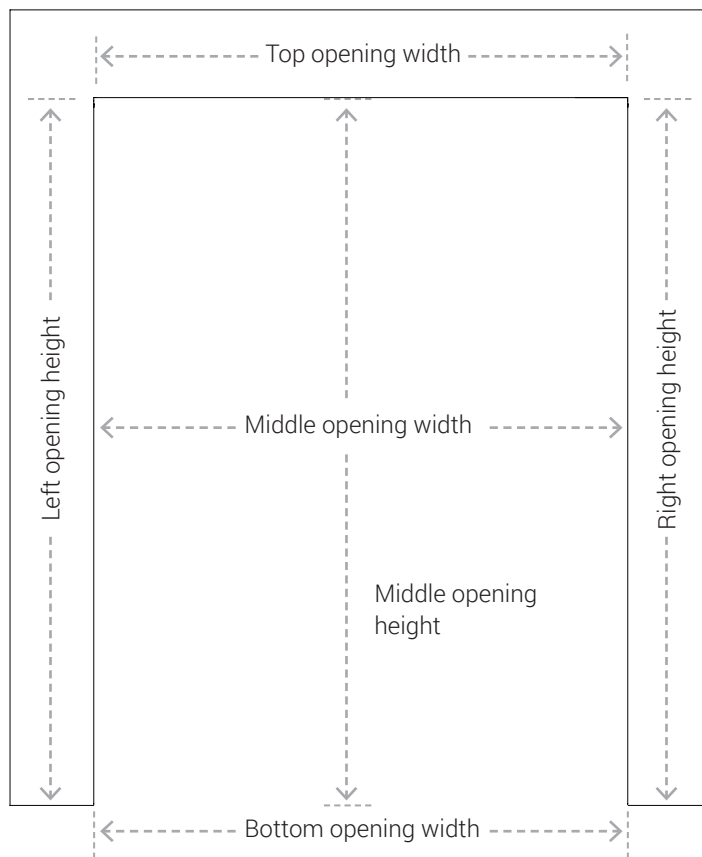
Wall Surface Mount (Outside opening)

Use this formula for specifying shades where the roll and cable guide can NOT be seen from the inside of the opening.

Ensure opening is plumb & parellel. If not, order extra width to keep cable guide out of view from the inside.

LARGEST OPENING WIDTH + 3 1/2" = TOTAL UNIT WIDTH = W
TOTAL HEIGHT OF OPENING + 10" = TOTAL UNIT HEIGHT = H

The measurements written on the order form will be the measurements produced. No deductions are taken on submitted order form.

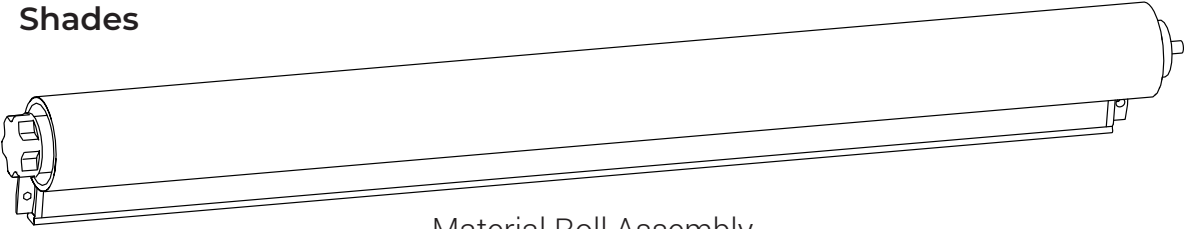
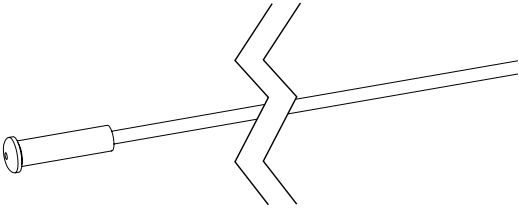
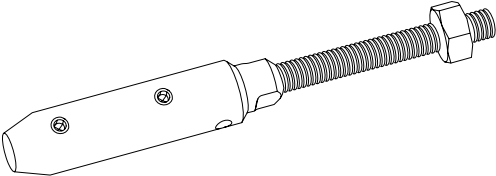
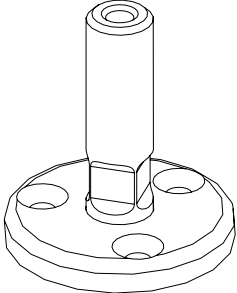
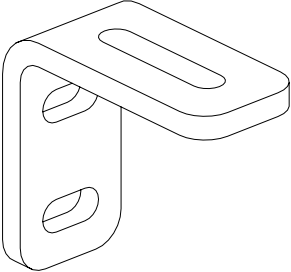
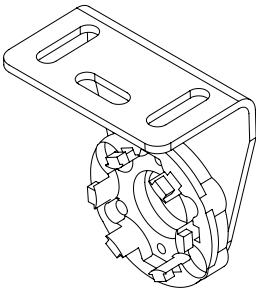
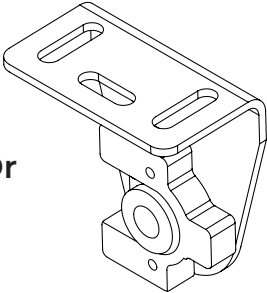

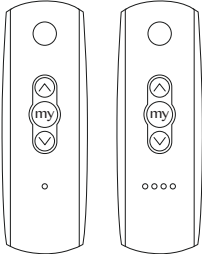


Width		Height	
Top		Left	
Middle		Middle	
Bottom		Right	
As Built		As Built	

Width - Measure the total width at the top, middle, and bottom of your opening. Take the largest measurement and add 3 1/2". This will give you the TOTAL UNIT WIDTH of your shade and allow only the fabric to be seen from inside your opening.

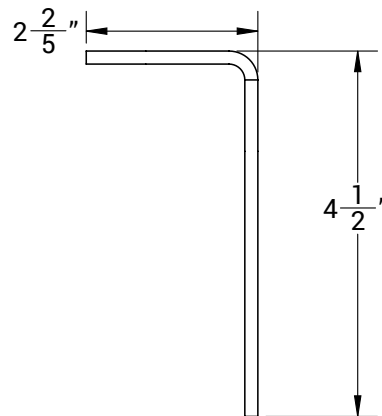
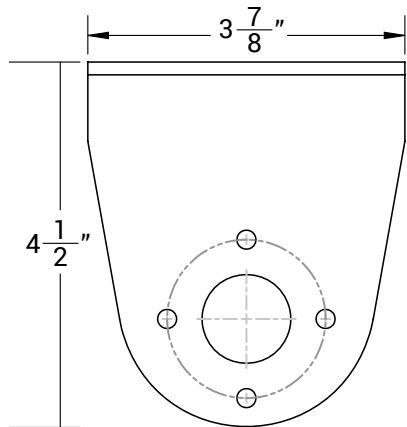
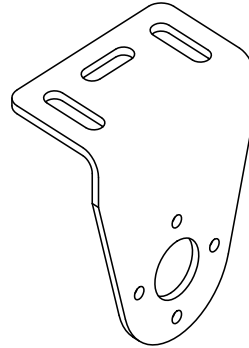
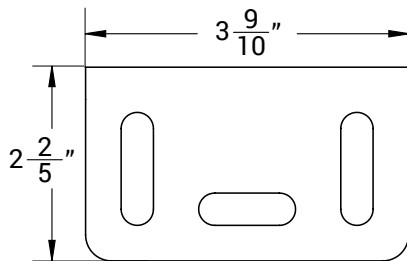
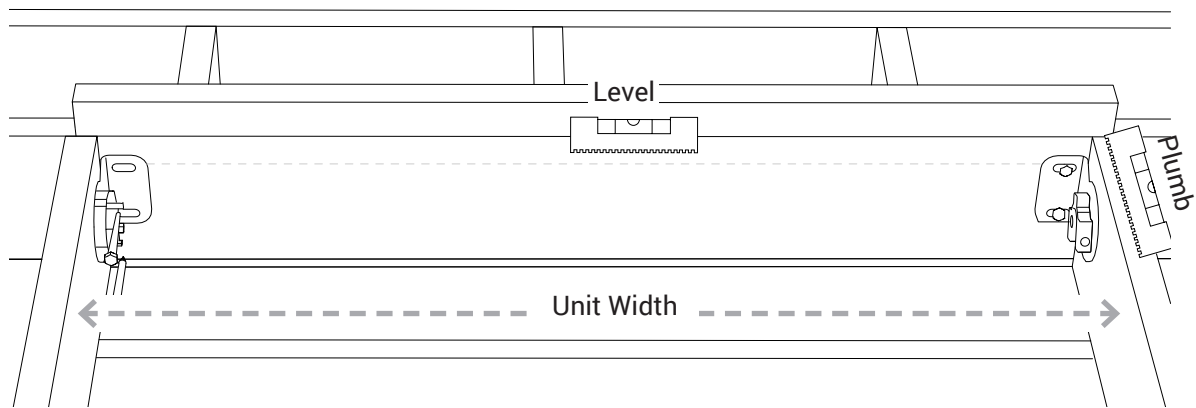
Drop - Measure the total height of your opening. If you don't want the cassette and bottom bar to be visible when the unit is completely retracted, please add 10" inches to your opening's height. We do manufacture the tracks or guides for your system 5" longer than your TOTAL UNIT HEIGHT. So you can have a little adjustment on site.

PARTS IN THE BOX

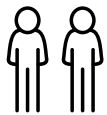
<div><div>Shades</div><div></div><div>Material Roll Assembly</div></div>	
<div><div></div><div>Cables (2)</div></div>	<div><div></div><div>Cable Tensioners (2)</div></div>
<div><div>Cable Mounting Options</div><div><div></div><div>Floor Mounts (2)</div><div></div><div>Wall Mounts (2)</div></div></div>	<div><div>Mounting Bracket Options</div><div><div></div><div>Motor Bracket</div><div>Or</div><div></div><div>Idler Bracket</div></div></div>
<div><div>For Manual Shades only</div><div><div></div><div>Foldable Crank Handle</div></div></div>	<div><div>For Motorized Shades only</div><div><div></div><div>Telis Remote (1)</div></div></div>

INSTALL BRACKETS

Mount the motor and idler brackets to structural supports as shown. Refer to your order or the packaging to get the UNIT WIDTH = W and make sure the brackets measure the same UNIT WIDTH dimension from outside to outside. Also make sure the motor bracket is on the correct side as specified on the order. The brackets must be mounted on a level line as well as plumb. The brackets can be mounted to the ceiling or a vertical wall face. Make sure that they are mounted such that the weight bar will align with the location of the cable guide.



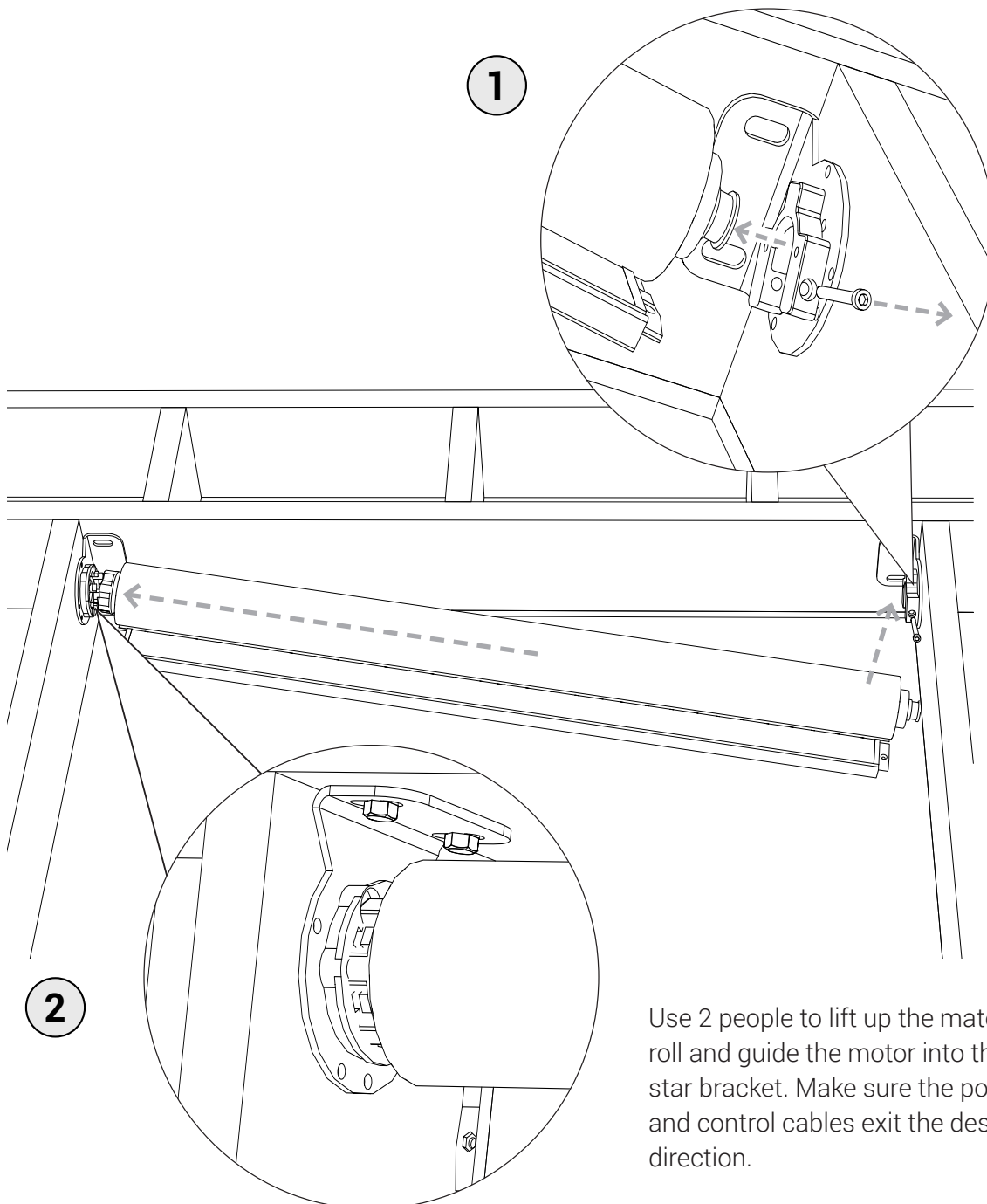
INSTALLING MATERIAL ROLL ① - ②



2+

Installation requires two or more people. Please use safe lifting and rigging techniques.

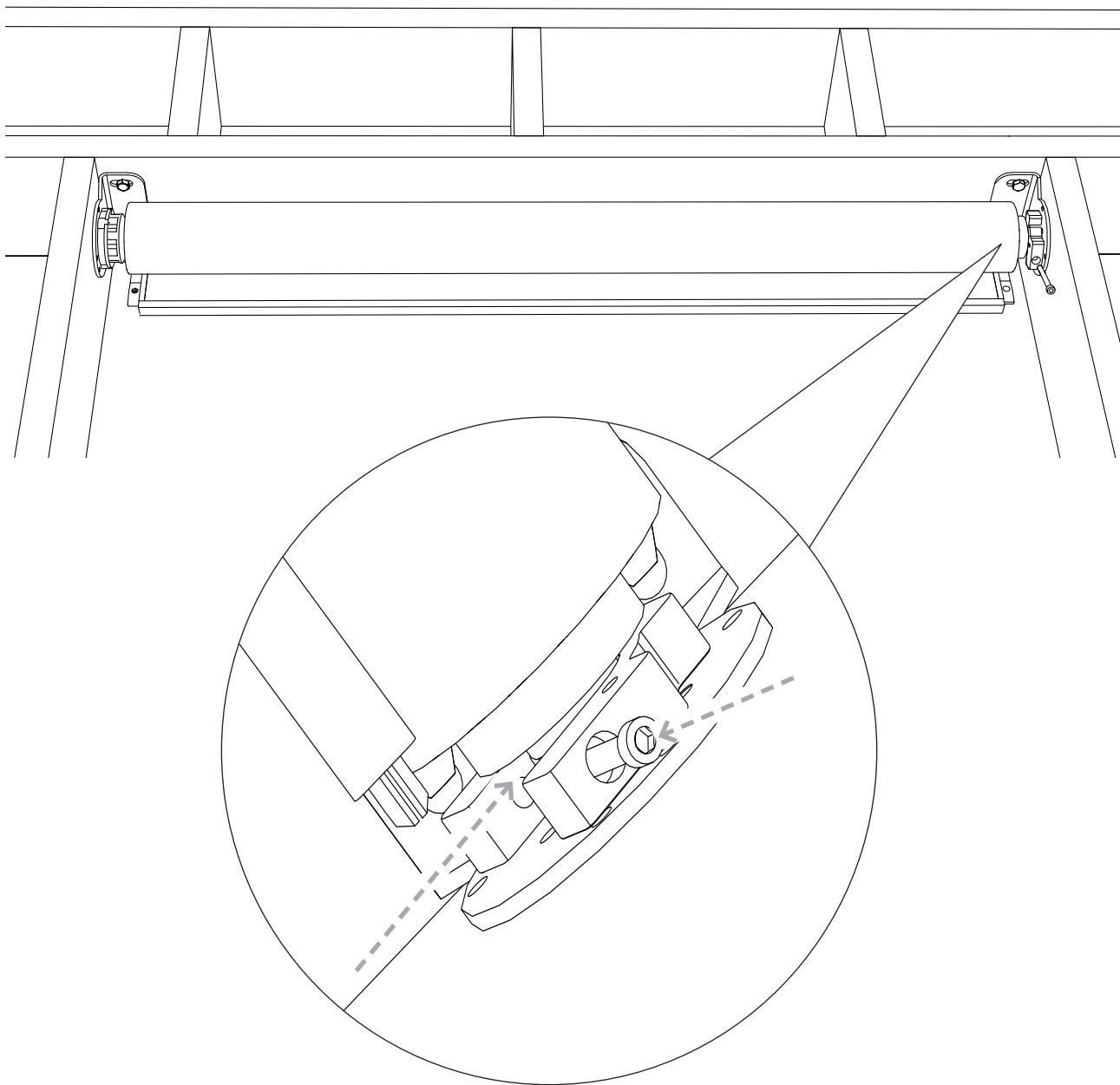
Remove the screw from the idler side bracket, then remove the idler bushing and install on the material roll idler shaft.



Use 2 people to lift up the material roll and guide the motor into the star bracket. Make sure the power and control cables exit the desired direction.

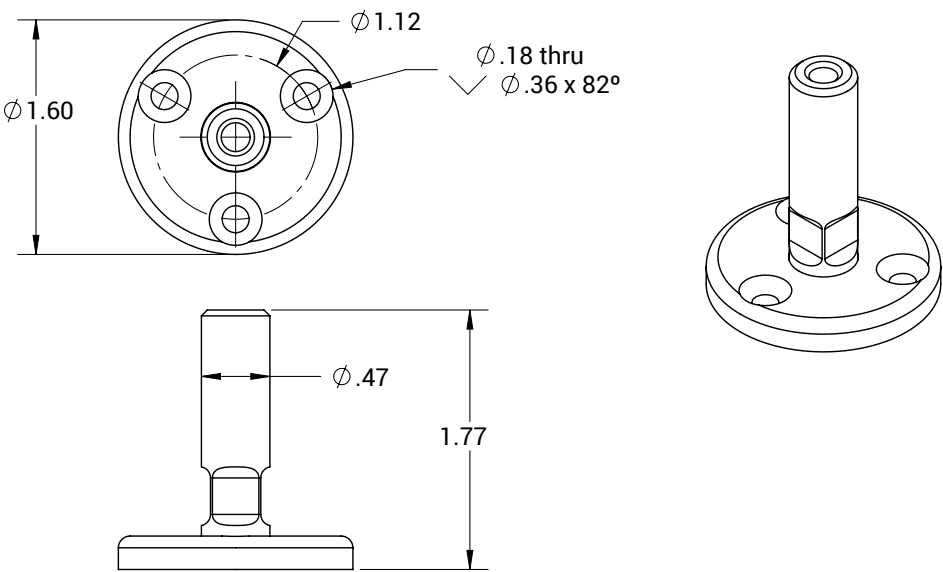
INSTALLING MATERIAL ROLL 3

Lift the idler end with bushing already installed up into the idler housing. Then secure with the screw removed in step 1.

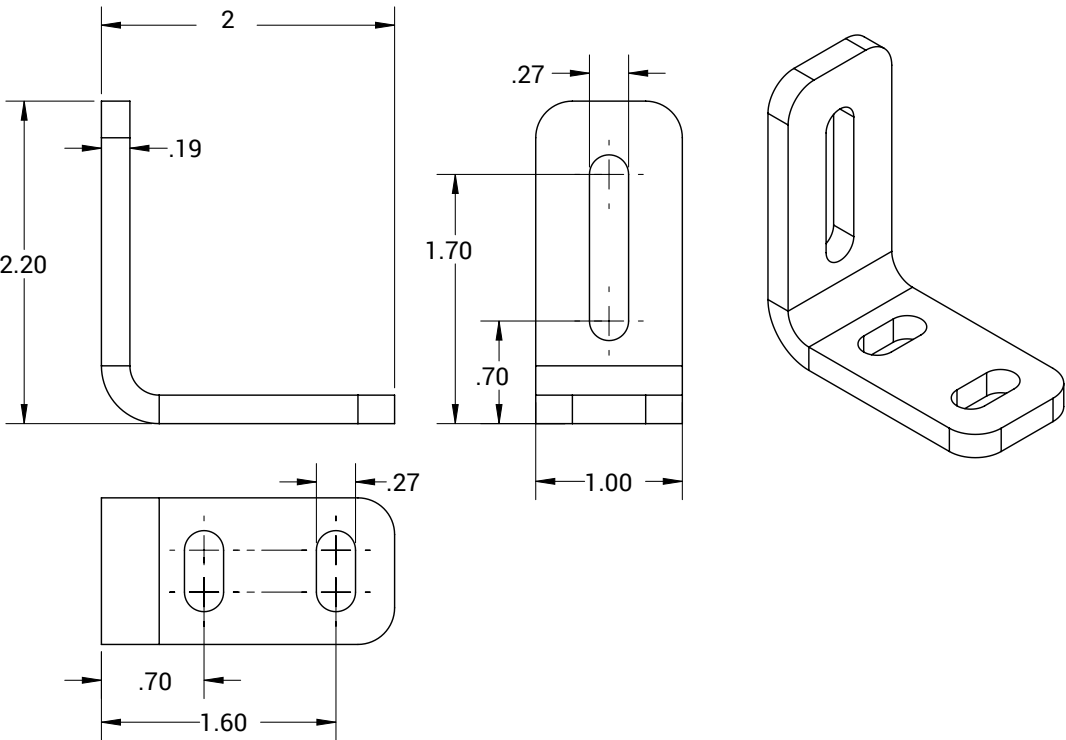


CABLE MOUNT OPTIONS

Floor Mount

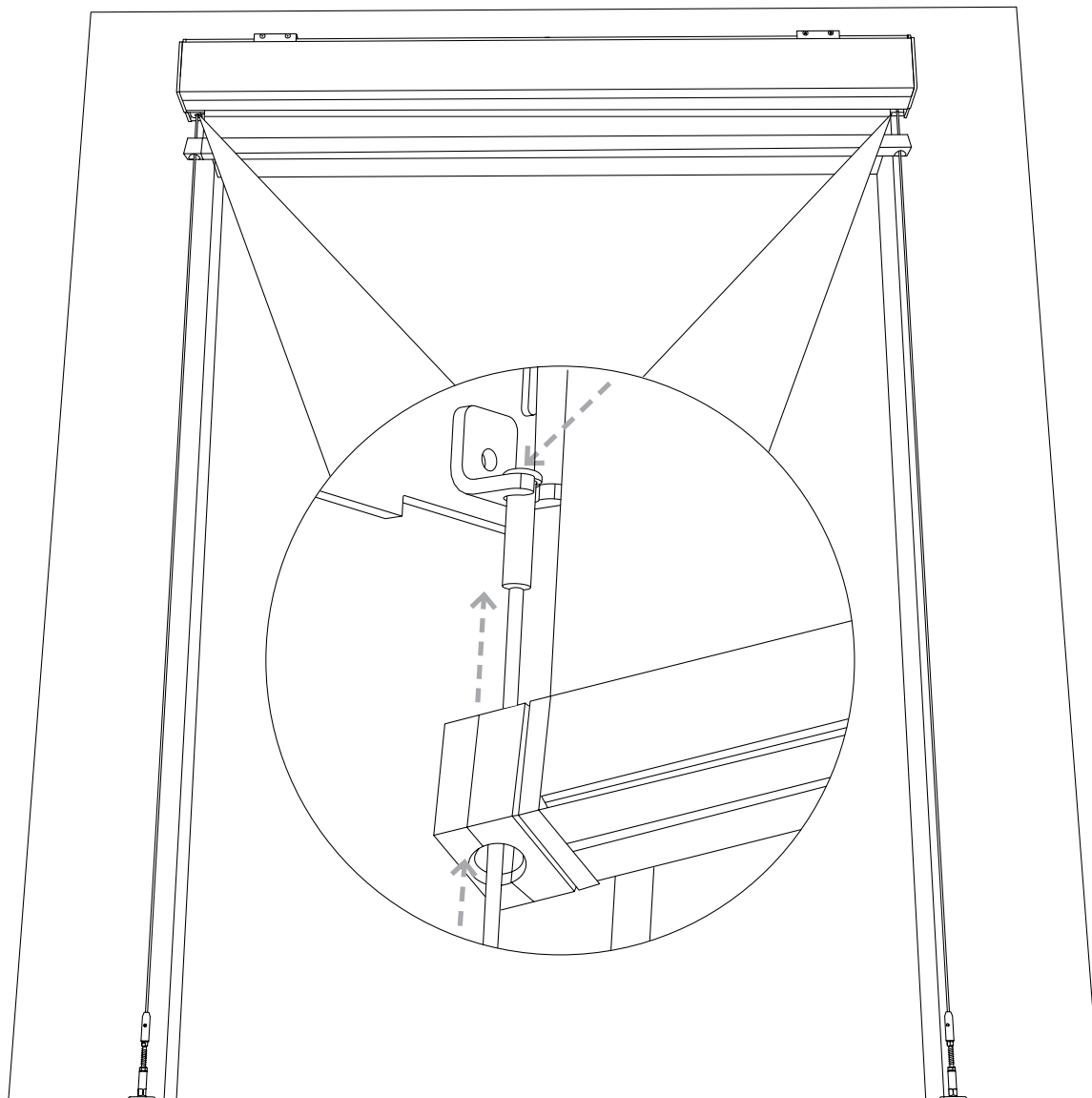


Wall Mount



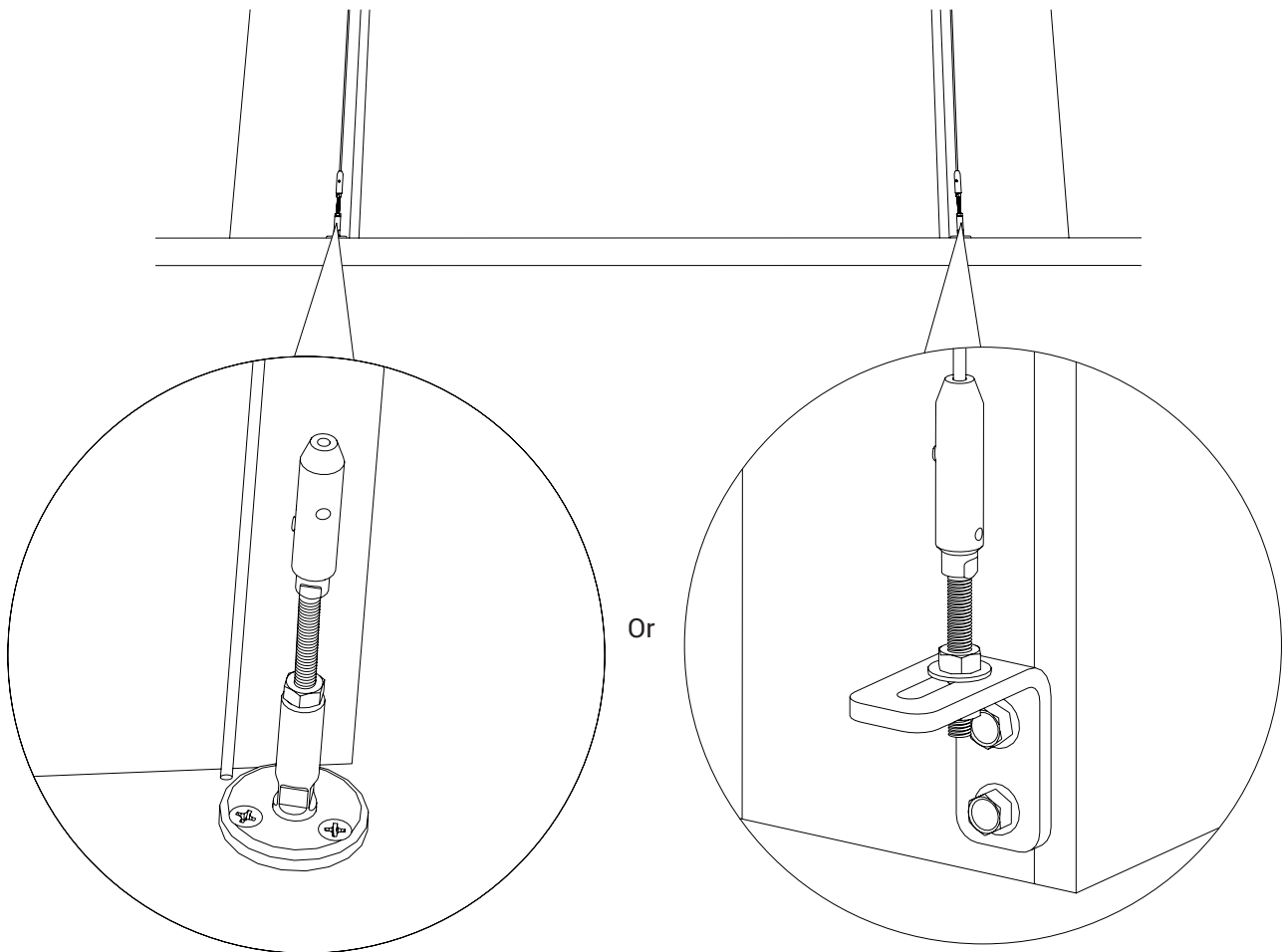
INSTALLING CABLE GUIDES - 1

Run the larger crimped end of the Cable Guide up through the hole in the weight bar. Then slide over the guide cable bracket in the case or attached to the motor end plate.



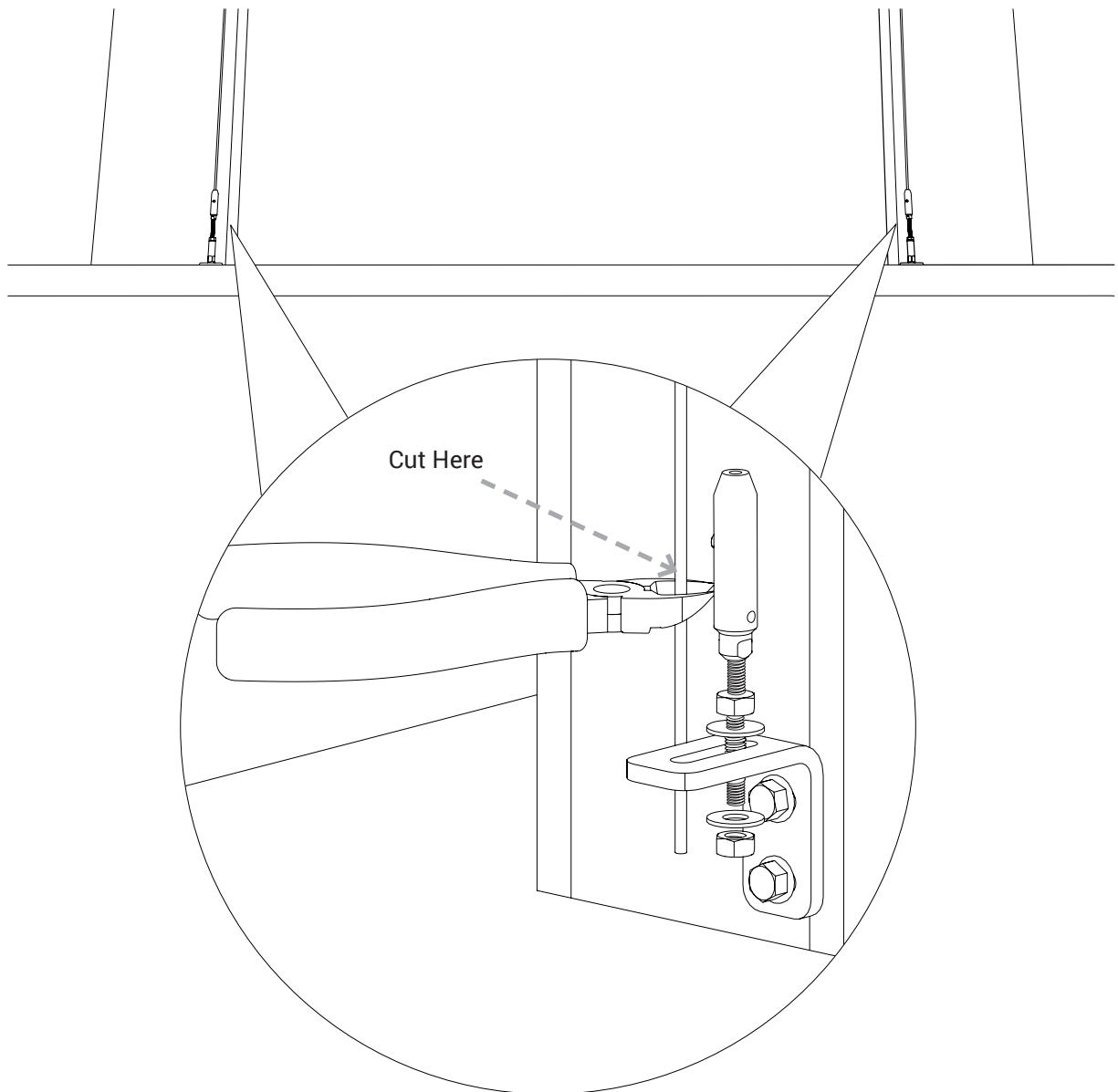
INSTALLING CABLE GUIDE MOUNTS - 2

Secure either the cable guide floor mount brackets or the cable guide wall mount brackets using appropriate fasteners. Make sure that they are secured at a location such that the cables will be plumb in both directions and parallel to each other. Note that the wall mount bracket can be installed either on the wall or inside the columns as well as be flipped upside down if desired.



INSTALLING THE TENSIONERS AND CUTTING CABLES - 3

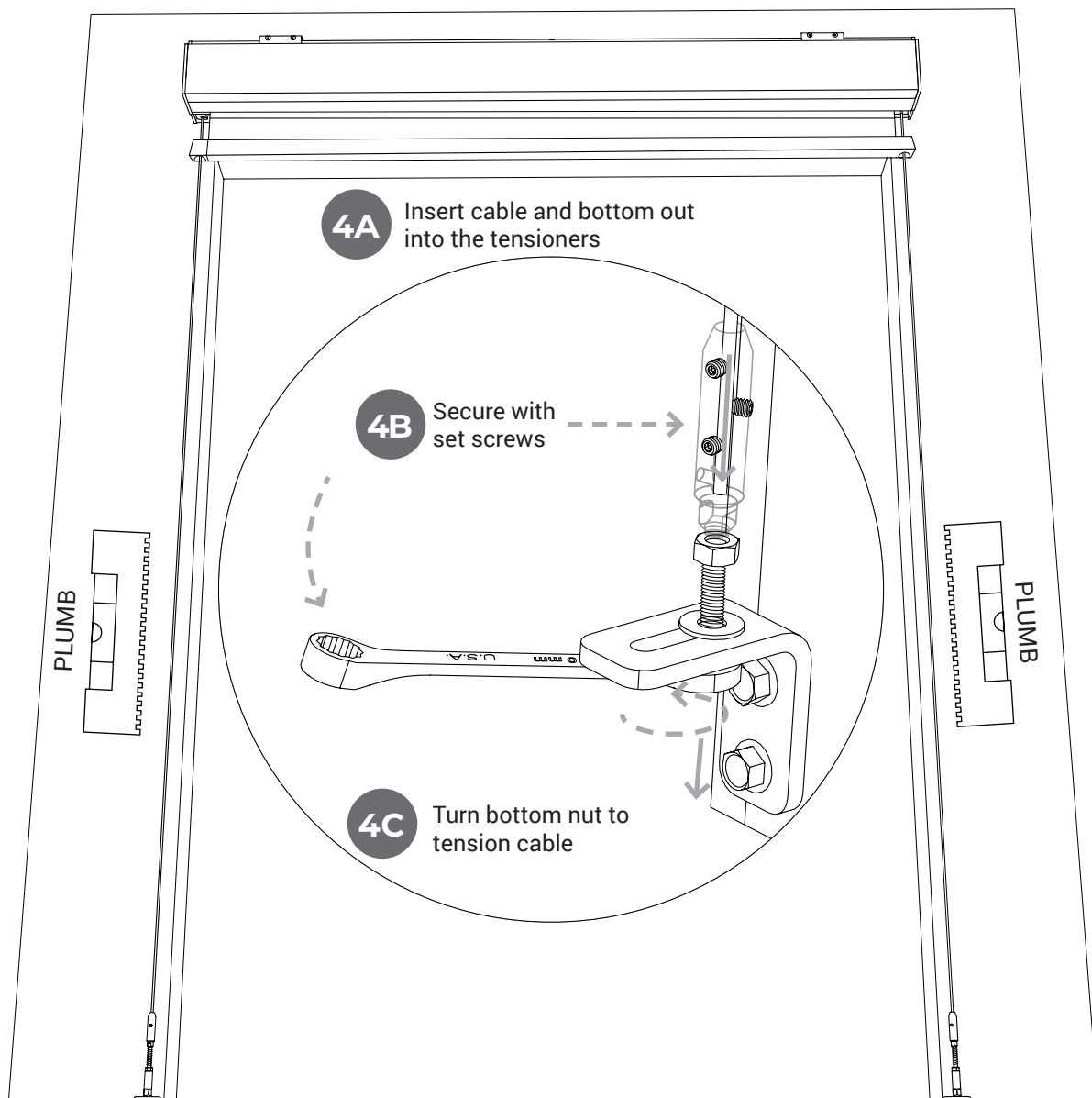
Install the tensioners onto the mounts making sure that they are threaded out as much as possible so that there will be thread available to tension the cables. Cut the cables such that they are the same length so that they will just extend to the bottom of the hole in the tensioner.



TENSIONING THE GUIDE CABLES - 4

Insert the cable into the tensioner all the way to the bottom of the tensioner and secure with the set screws. Then tension the cable by tightening the nut for wall mount brackets or the tensioner itself for floor mount. Finally lock in the tensioners with the locknut. Make sure that the cables are mounted level and plumb in all directions. As a final check make sure that the left and right cables are the same distance apart from top to bottom within 1/4".

NOTE: Cables may lose tension over time. In that case simply tighten the tensioners and lock in with the lock nut.



POWER (MOTORIZED ONLY)



To be installed and/or used in accordance with the appropriate electrical codes and regulations by a licensed electrical professional. Do not connect power with the circuit breaker on.

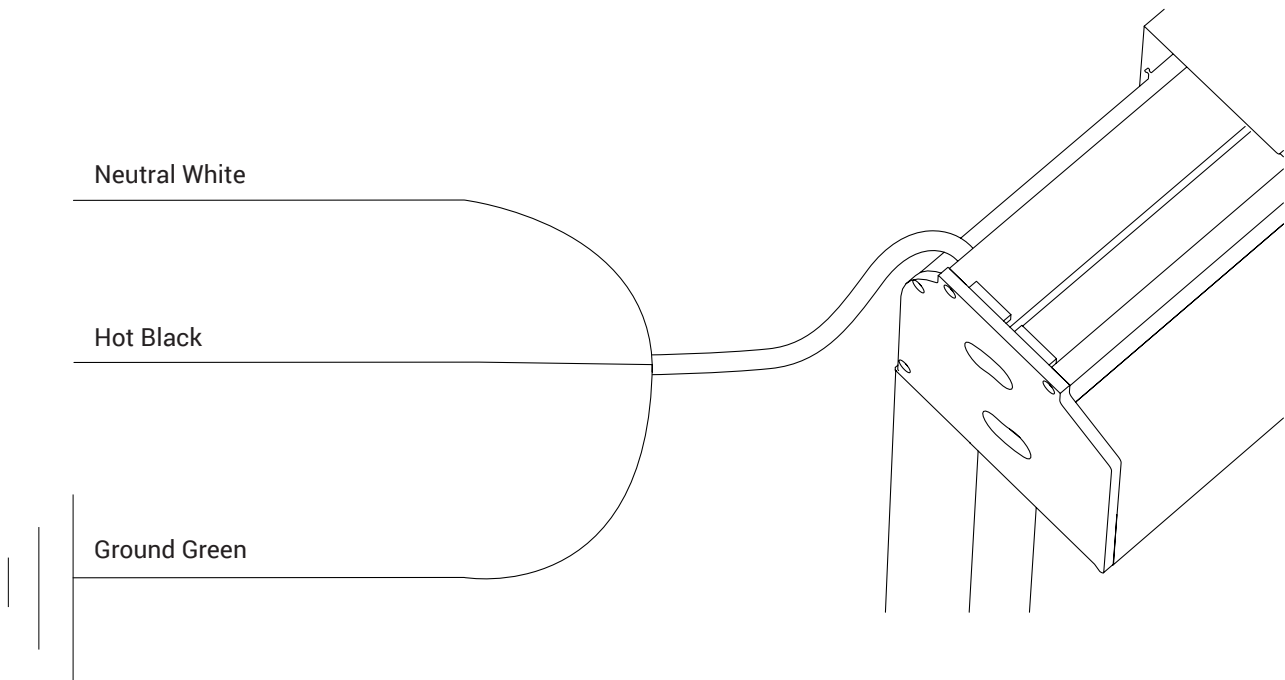


Before connecting power to multiple units be aware that the limits must be set with power connected to only one unit at a time. Plan accordingly.



Power Cable Termination! If a power cable is cut to fit, leave a minimum of 18" as the portion of this cable contains the shade antennae.

Power connection exits out of the back of the box on the side specified when ordered. Use appropriate building codes and run and connect the power cable to an appropriate outlet.



SET LIMITS (MOTORIZED ONLY)

Programming mode

Before you begin

Motors are shipped without limit settings and transmitter ID's. Steps 1 to 7 must be completed to ensure proper shade programming and functionality. Power should ONLY be connected to current shade being programmed. All other shades should be disconnected from their respective power while programming.

Step 1. Connect Power

With the motor installed in shade, connect power to the motor 110v



Step 2. Initiate Programming

Press both ⬆ and ⬇ at the same time until the shade jogs. A jog is a brief up and down motion. In Programming Mode, the shade will move only when the ⬆ or ⬇ is held.



Step 3. Check Directions

Press ⬆ or ⬇. While pressing ⬇ product should go down or out. To change direction press and hold ⏻ (Stop) until shade jogs. A jog is a brief up and down motion.



Step 4. Set the Limits

Bring the shade to desired upper limit stop point. Press both ⏻ (Stop) and ⬇ until the motor moves, then release. (If the shade stops when the buttons are released take it back to the upper limit and repeat). Stop the motor when reaching the desired lower limit. You can adjust by pressing ⬆ or ⬇.



Step 5. Set the Limits

Press both ⏻ (Stop) and ⬆ at the same time until the shade moves, then release. The shade will stop at the original upper limit.



Step 6. Confirm limit settings

Press and hold ⏻ (stop) until the shade jogs to confirm the limit settings. A jog is a brief up and down motion.



Step 7. Set user mode

Press and hold the programming button on the back of the transmitter until the shade jogs. The shade is now in User Mode. In User Mode, the shade will operate with a brief press on ⬆ or ⬇. Double check limit settings as a precaution.

Adjusting the limits in User mode

To change the lower limit

Send the shade to it's current lower limit.



Press both and at the same time until the shade jogs. Adjust to a new lower limit position.



Press until shade jogs.

To change the upper limit

Send the shade to it's current upper limit.



Press both and at the same time until the shade jogs. Adjust to a new upper limit position.



Press until shade jogs.

Setting an Intermediate Position (Preferred Position)

Setting

Press the or to operate shade. At the desired intermediate (preferred) position press (Stop) to stop the shade.

Once the desired Intermediate position is reached, Press and hold (stop) until the shade jogs. The intermediate position is now added to memory.

Using

Send the shade to the intermediate position by pressing (stop) from ANY shade position.



Note

- Shade should be stationary prior to activating intermediate position function.
- If shade is actively moving (in - motion) Should be pressed twice.

To Delete:

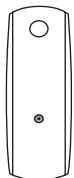
Activate shade to intermediate position, then press and hold (stop) for 5 seconds. Shade will jog to confirm deletion.

Adding or deleting a Transmitter or a Channel

Programmed Transmitter

Step 1: Using already programmed transmitters select the transmitter (single channel) or the channel, (1- 5) of a multi-channel transmitter.

Step 2: Press and hold the programming button of that transmitter until the shade jogs.



Transmitter to add or delete

Step 3: Select the transmitter (single channel) or the channel, (1-5) of a multi-channel transmitter, to be added or deleted.

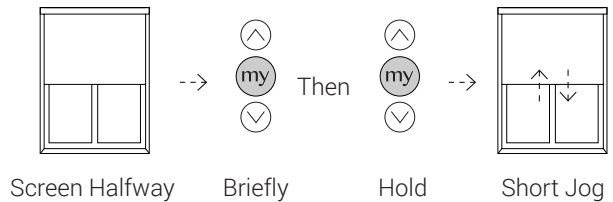
Step 4: Press and hold the programming button of that transmitter until the shade jogs.

Obstacle Detection - Change the level of Detection or Deactivate

When Programming, all button presses must be completed within 2 seconds of the previous press. This function gives the possibility to deactivate the obstacle detection or increase the sensitivity up from the default level during the downward movement.

1. Enter the Obstacle Setting Mode

Move the screen to half-way position, press MY and UP briefly and again MY and UP until the screen jogs.



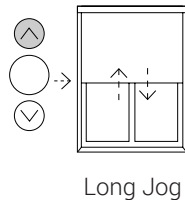
2. Change the Obstacle Detection Level

If the actuator goes back to USER MODE (short jog) repeat Step 1.

To De-activate:

Press UP briefly within 2 seconds and then press UP briefly again. The screen will jog slowly and is now deactivated.

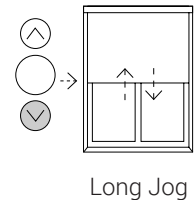
If the jog is short you've reached the default setting. To deactivate press up again.



To Increase Sensitivity:

Press DOWN briefly within 2 seconds and then press DOWN briefly again. The screen will jog slowly and is now more sensitive.

If the jog is short you've reached the default setting. To increase sensitivity press down again



3. Confirm the New Setting & Exit the Setting mode

Press MY /STOP until the screen jogs to confirm the new setting.

The registered level of Obstacle Detection will be reached when entering Step 1 again.

TROUBLESHOOTING

Problems related to electrical or motor function may require a qualified service person or electrician.

Tech Support: 512.832.6939

Problem	Probably Cause	Action to Take
Motor shuts off. Motor has been in use for more than 2 minutes.	Motor is designed for short operations (lowering and retracting), not continuous running. Longer operation, causes the motor to overheat and shutoff. This typically happens during installation when testing the screen.	Allow the motor to cool down. Complete cooling can take an hour or more. Heat gain is cumulative and takes time to dissipate. If motor use is initiated before it has cooled completely, the motor will shut down again when it reaches maximum temperature.
Indentations appear on screen surface.	Debris or particles adhering to screen due to static cling.	Check back of screen as well as front of screen for dust or debris. Wipe the back of the screen with a clean damp cloth. Also, lightly brush off the front of the screen.
Screen won't operate.	No AC power available.	Check to see if the circuit breaker has switched off. Reset if needed. Check outboard switching apparatus. Check voltage availability. Contact an electrician.
Fabric travels to one side of tube.	Fabric could have slightly stretched.	Putting a shim may be required to even the fabric.
The shade is not rolling up correctly.	The fabric is gathering on the tube to create wrinkles.	May be necessary to check the shade tube rolling while the shade is in operation by removing the head box front cover and watching the shade roll up to get an idea of how/why this is happening.



Screen Innovations

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www.screeninnovations.com