

Zen 2 Box

Installation Instructions

Zipper Tracks and 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 performed by responsible parties.

Always check the path of the Zen 2 Shade before operating to ensure that the path is clear of furniture or obstacles that could prevent full operation. Monitor the Zen 2 Shade for smooth operation through its entire range. Operating a Zen 2 Shade unattended may lead to damage from obstructions or other causes.

DO NOT lower Zen 2 Shades during high wind conditions (depends on fabric and site, but general rule is 20 mph and higher gusts). Doing so could result in damage requiring repair 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, avoid operation at any time high wind conditions are present for proper operation.

For Zen 2 Zipper Guide– Side Track maintenance is important to ensure proper operation and trouble-free performance of the Zipper track system. An annual or bi-annual cleaning of the side tracks is recommended, clearing any debris and/or dirt/dust that has built up in the track housing and zipper inserts. Light power washing and/or low PSI compressed air may be utilized to clear the debris out from tracks. In some rare dry/dusty conditions, the track may benefit from a light coat of food-grade silicone spray inside the track.

Fabric maintenance and cleaning– Zen 2 Shade fabric is subject to weather, bugs, and debris under normal use or in storage, requiring occasional 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 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. Be careful not to leave the heat source on the material too long, or it may damage the material.

Power Cable — The power cable for motor is shipped disconnected inside of the box for ease of material removal during installation. If the shade is installed without removing the material roll, connect power cable inside of box on the ground before mounting the shade to ensure no obstacles impede access when shade is installed.

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 installation– It is crucial that all installations are planned out carefully before specifying a screen order.

For new construction or difficult installations, order and install the tracks first or utilize pre-construction channels.

If pre-installing tracks, make sure the tracks are sealed from construction materials during construction.

Ensure that the tracks and the screen boxes can be installed securely, level, and plumb. Add appropriate blocking or carpentry work before installing tracks and screen.

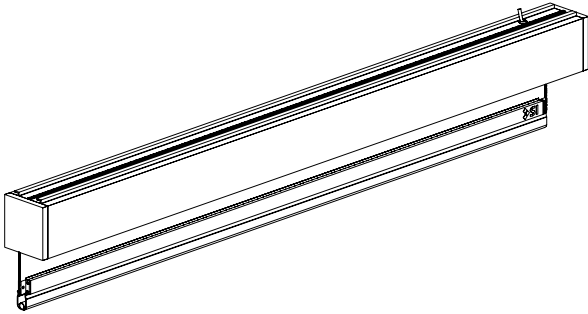
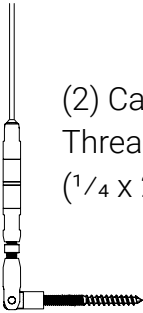

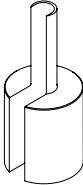
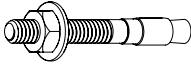
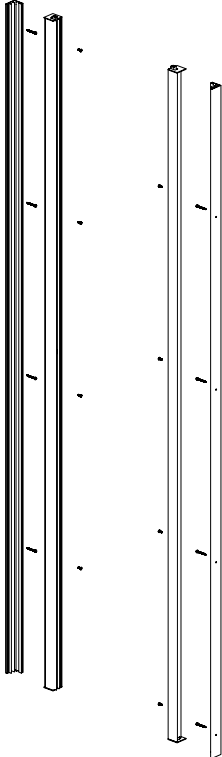
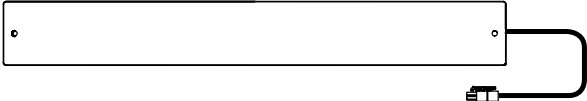
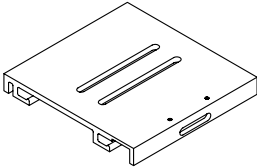
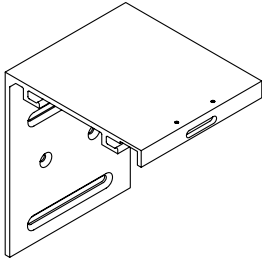
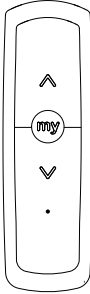

If drilling through the bracket is required, the bracket must be square or the door will not line up, causing poor operation.

Electrical work should be performed following appropriate electrical codes and regulations by a licensed electrical professional.

Use fasteners appropriate for the structure the Solo 3 screen will be mounted to.

Do not use any sharp blades when opening the packaging.

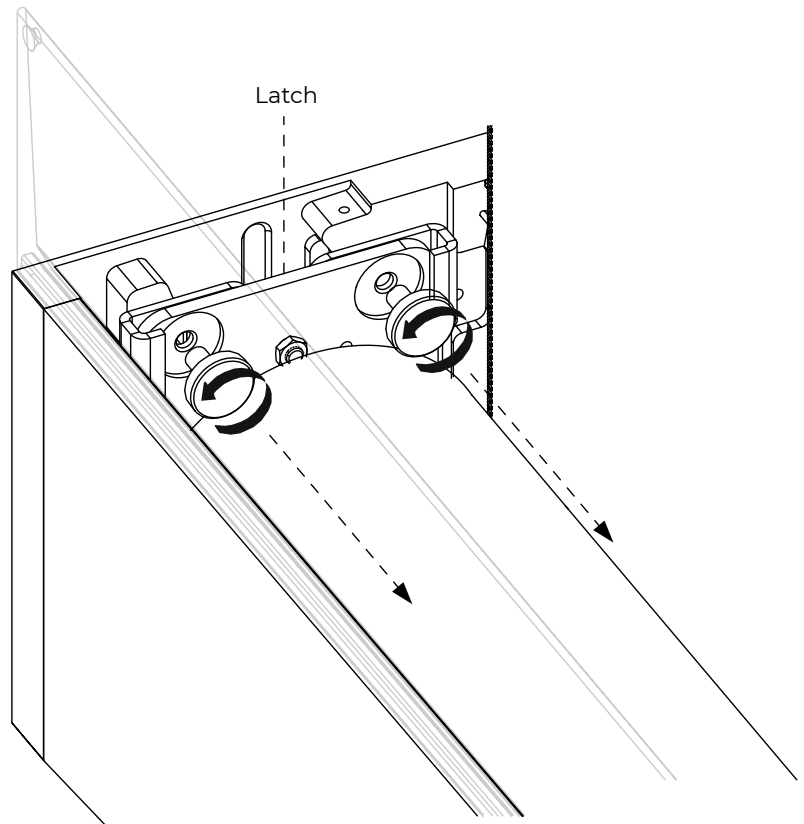
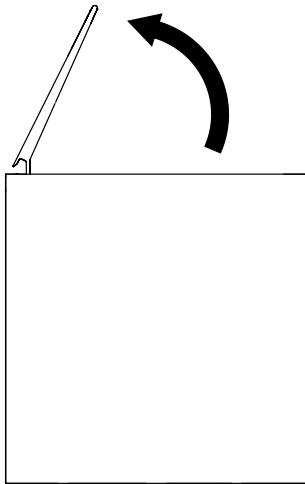
PARTS IN THE BOX – ZEN 2 BOX

| | | |
|--|---|--|
| <div>Shades</div> <div></div> <div>Case Assembly</div> | <div>Cable Guides Only</div> <div></div> <div>(2) Cables Thread size (1/4 x 20)</div> <div></div> <div>Quick Release Tool (2) L Brackets</div> <div></div> <div>(2) Steel Anchor</div> | <div>Zipper Tracks Only</div> <div></div> |
| <div>Solar Panel (for Solar option only)</div> <div></div> | | |
| <div>Mounting Bracket Options</div> <div></div> <div>(2/3) Ceiling Mount Brackets</div> <div></div> <div>(2/3) Wall Mount Brackets</div> | <div>Accessories Options</div> <div></div> <div>Programming Remote (Included)</div> | <div>Required Hardware</div> <div></div> <div>(6) Mounting Screws Note: Not Provided.</div> |

UNPACKING – MATERIAL ROLL

1 Remove the screws from the door, open the door of the Box.

2 Undo the silver safety screws, press the latch as shown in the drawings below.



3 Now with the help of the red straps on both the ends, slowly pull out material roll and set it aside.

NOTE: Using 2 people lay the material roll on a clean soft surface.

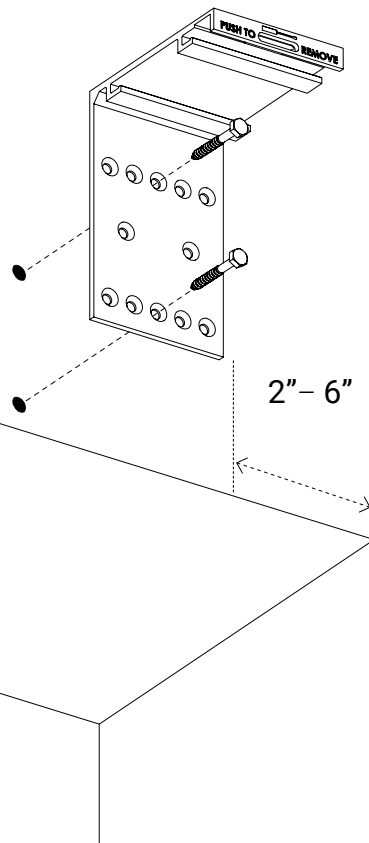
INSTALLATION – MOUNT THE BRACKETS

BEFORE INSTALL– On inside mount installation, check upper corners of the opening clearance as necessary to prevent interference with the cassette and end caps.

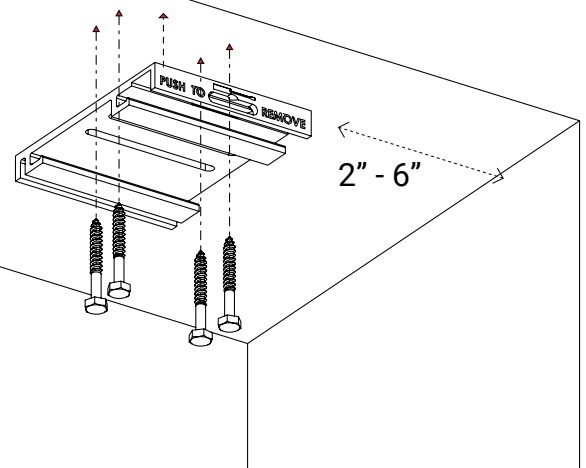
- 1 Use appropriate fasteners to mount the ceiling brackets to structural supports. Mount brackets between (2–6") from the opening ends (additional brackets are intended to prevent cassette sag and should generally be applied to the middle of the cassette). All brackets must be in line and level to each other. For shades under 20' wide, only two brackets are necessary. If the shade is wider than 20', use three brackets.

NOTE: Ensure the fasteners used are adequate for the weight of the Zen 2 Shade and the structure.

Wall Mount



Ceiling Mount



INSTALLATION – MOUNT THE CASSETTE

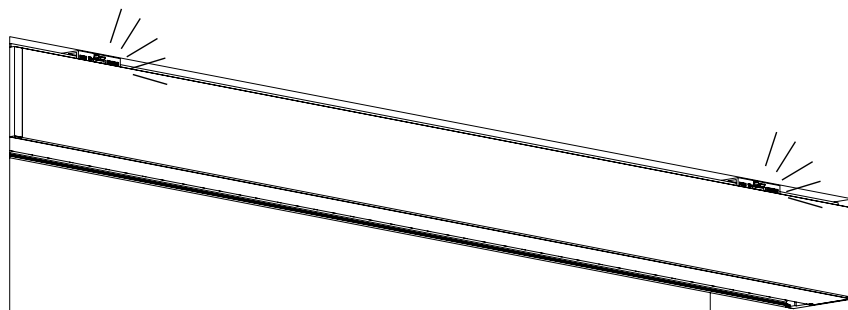
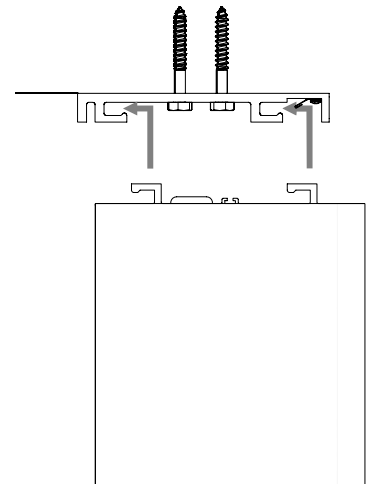
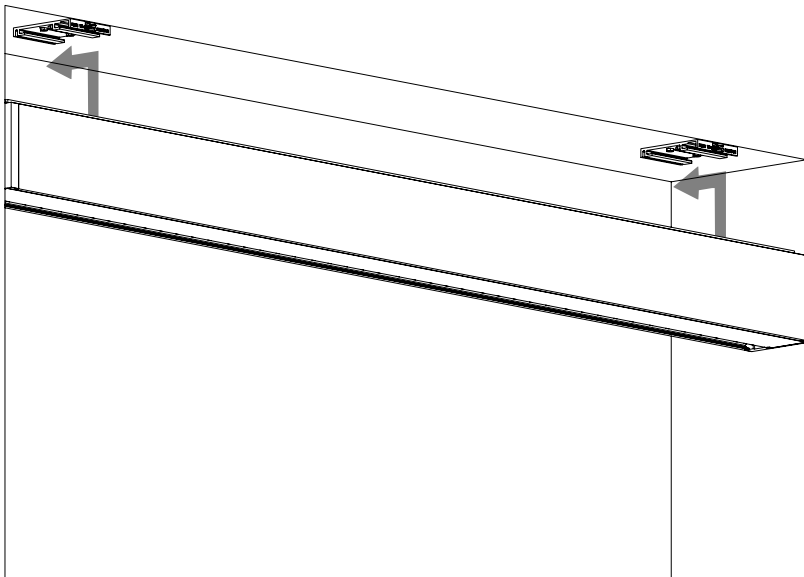


2+

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

2

Remove the material roll from the inside of the cassette and set it aside.
Lift the case straight up and hook onto the brackets. Once the bracket engages, the cassette will “click” into place.

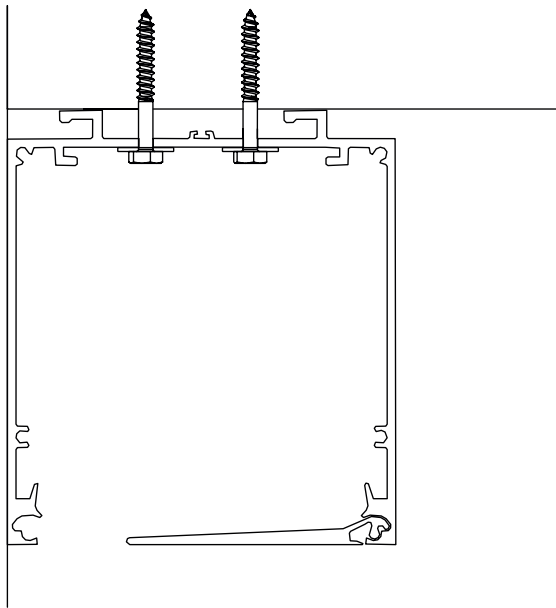


INSTALLATION – THRU-BOLTING THROUGH CASSETTE

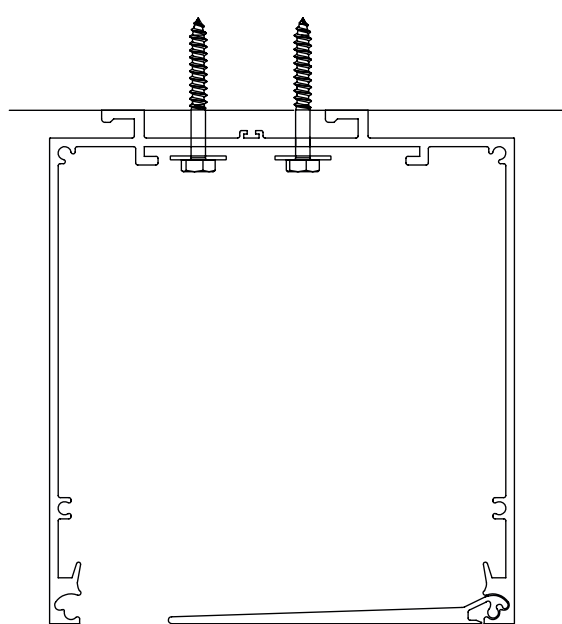
3

Note: Be careful not to over torque or aggressively drill retention hardware when mounting the cassette because deformation to the case could occur, this is especially important when ceiling mounting as cassette deformation will make it difficult or impossible to attach the front removable section. The structure behind the mounting points should be flat and level

WARNING! – Select a screw or anchor type that has a shallower head profile to eliminate the risk of contact with the shade material roll. Damage to the material caused by anchoring is not covered under warranty. Before you start, ensure the screws or anchors being used are of a quantity, size, and type compatible with the structural substrate you are mounting to, and rated for the weight being carried. Weight can be found on the shipping documents, or on the box label.



Cassette mount

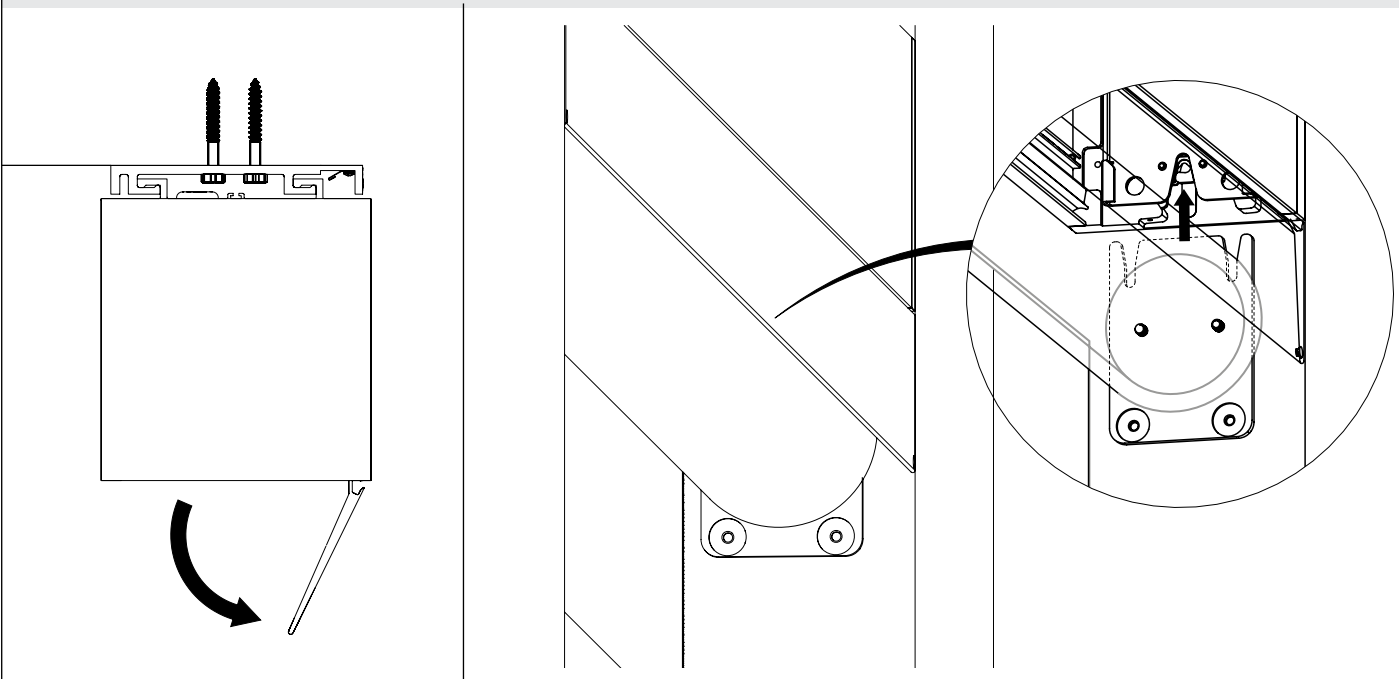


XL Cassette mount

INSTALLATION – MATERIAL ROLL

- 4** With the cassette mounted, open the door and slide the material roll with mounting plates on each end into the cassette. Each end will “click” into place as the brackets engage.

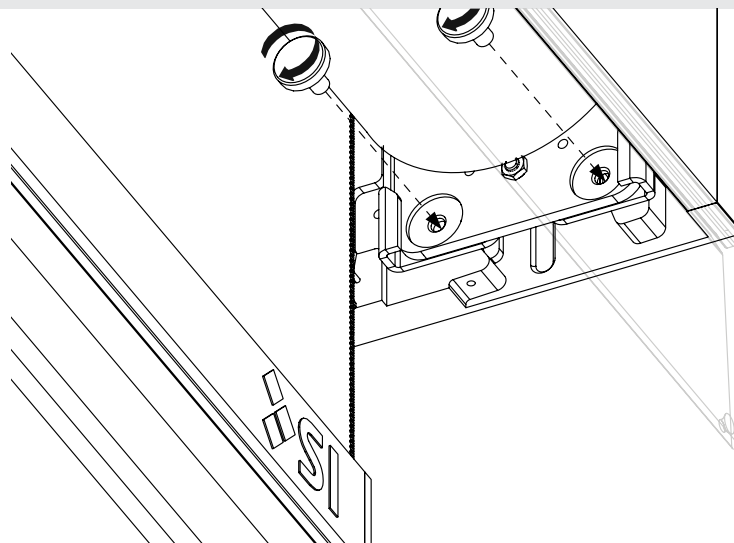
NOTE: The roll must remain level while installing into the cassette.



- 5** Fasten the silver safety screws on the mounting plates to secure the material roll. Plug motor power cable into the barrel connector located in the cassette.

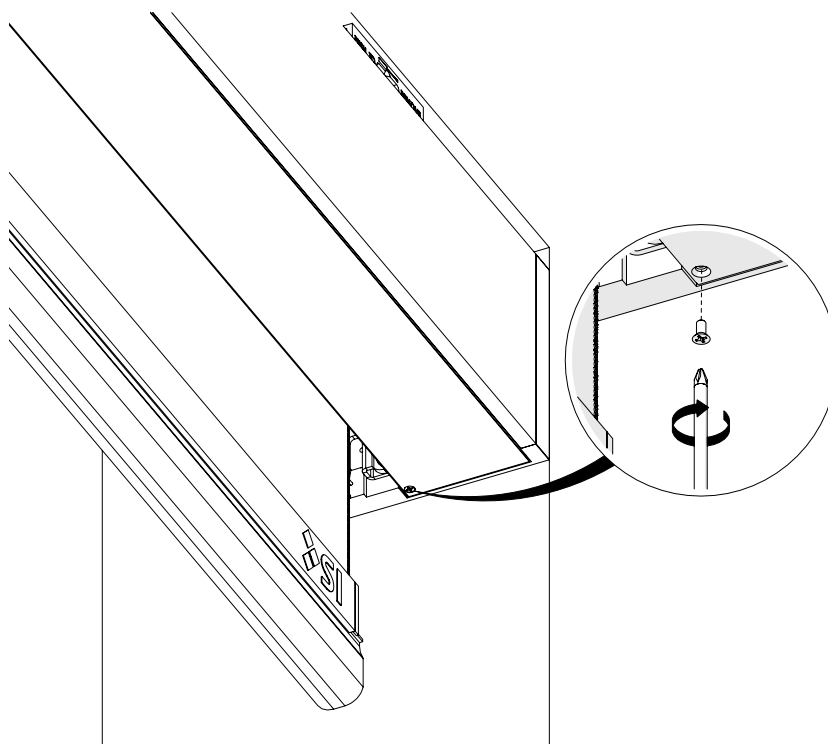
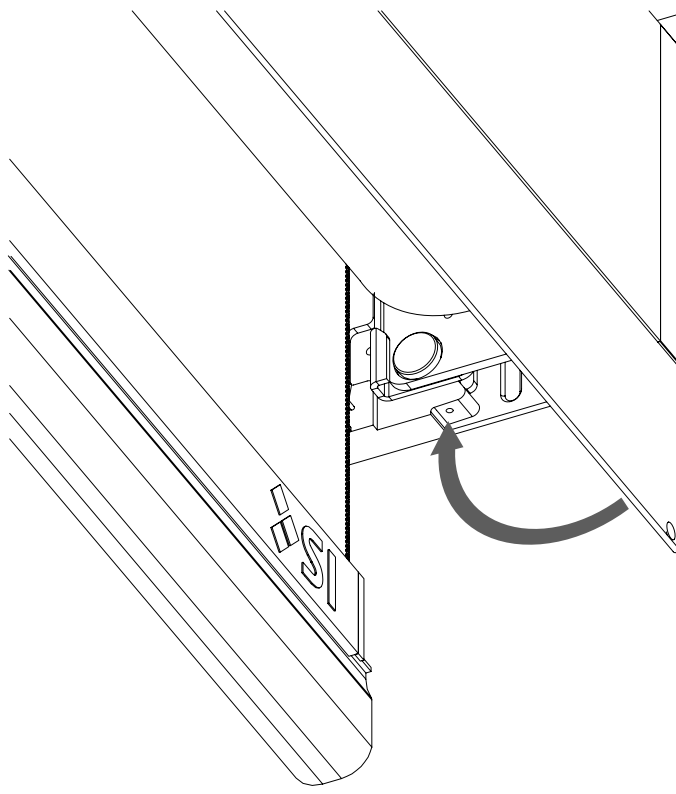


This step is required for safety. Back safety screws out before installation. Must be re-engaged after installing material roll.



INSTALLATION – MATERIAL ROLL

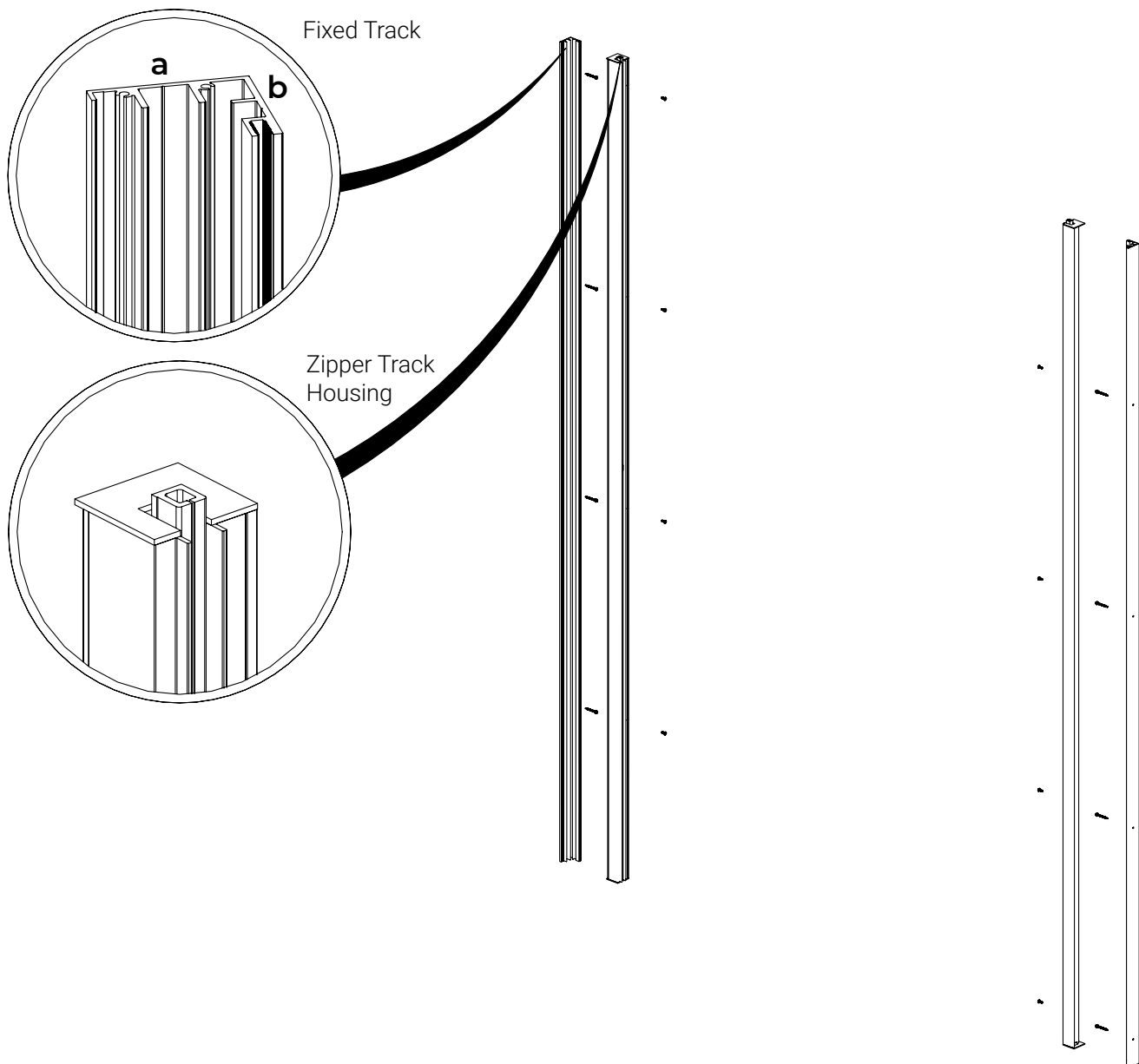
- 6** The door can be rotated shut and secured with the screws provided.



INSTALLATION – ZIPPER TRACKS

Note: For cable guide, see page 15-16.

- 1** Disassemble the track by removing the screws holding the zipper track assembly to the mounting side of the track.
Pull the zipper track assembly away from the mounting side.
For the next step, use fixed track side “a” for inside mounting; use fixed track side “b” for wall mounting.

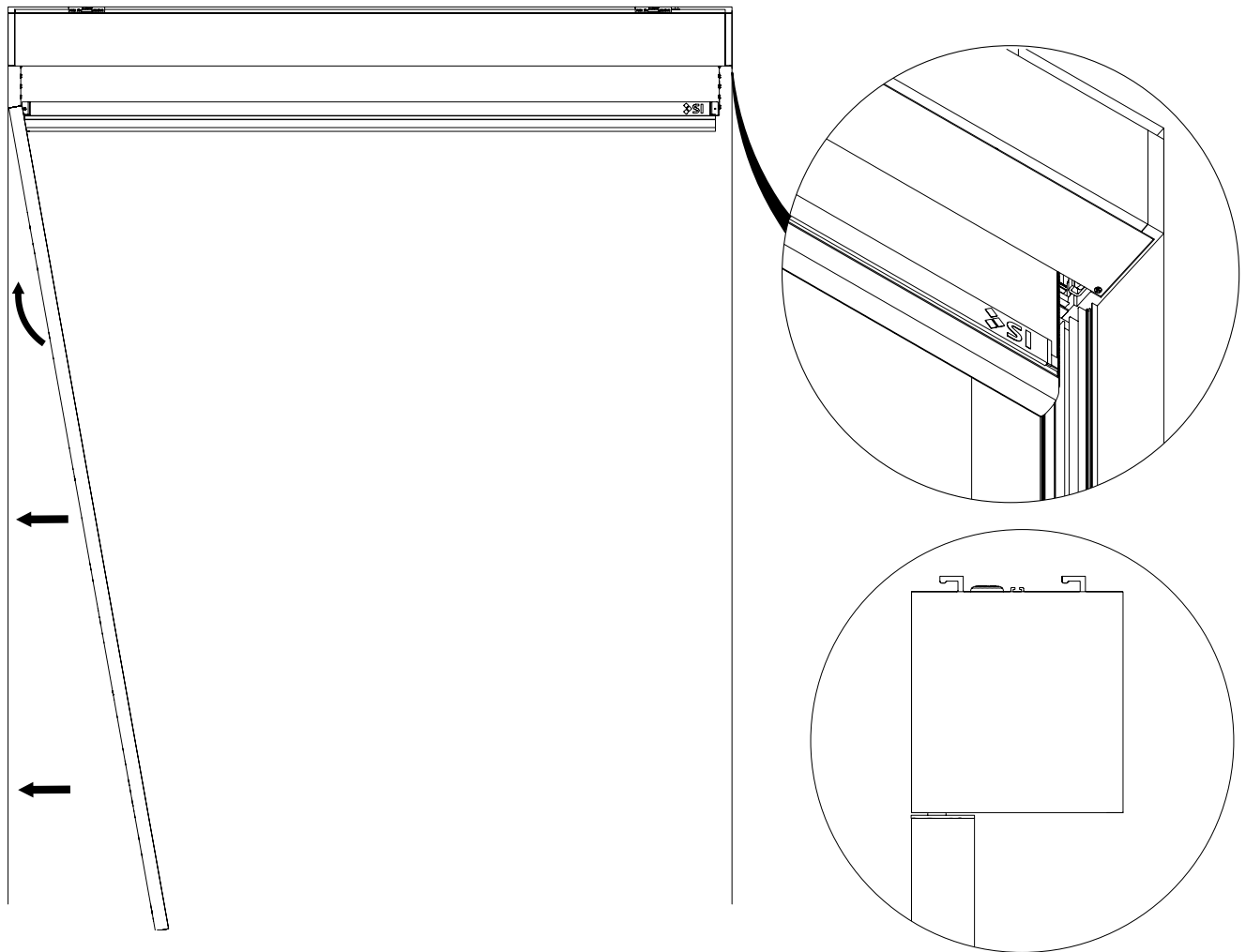


INSTALLATION – ZIPPER TRACKS

- 2 Position the fixed track below the slot in the cassette. The outside of the track should be flush with the end of the cassette.

Align the tracks with the weight bar and zipper on the shade fabrics.

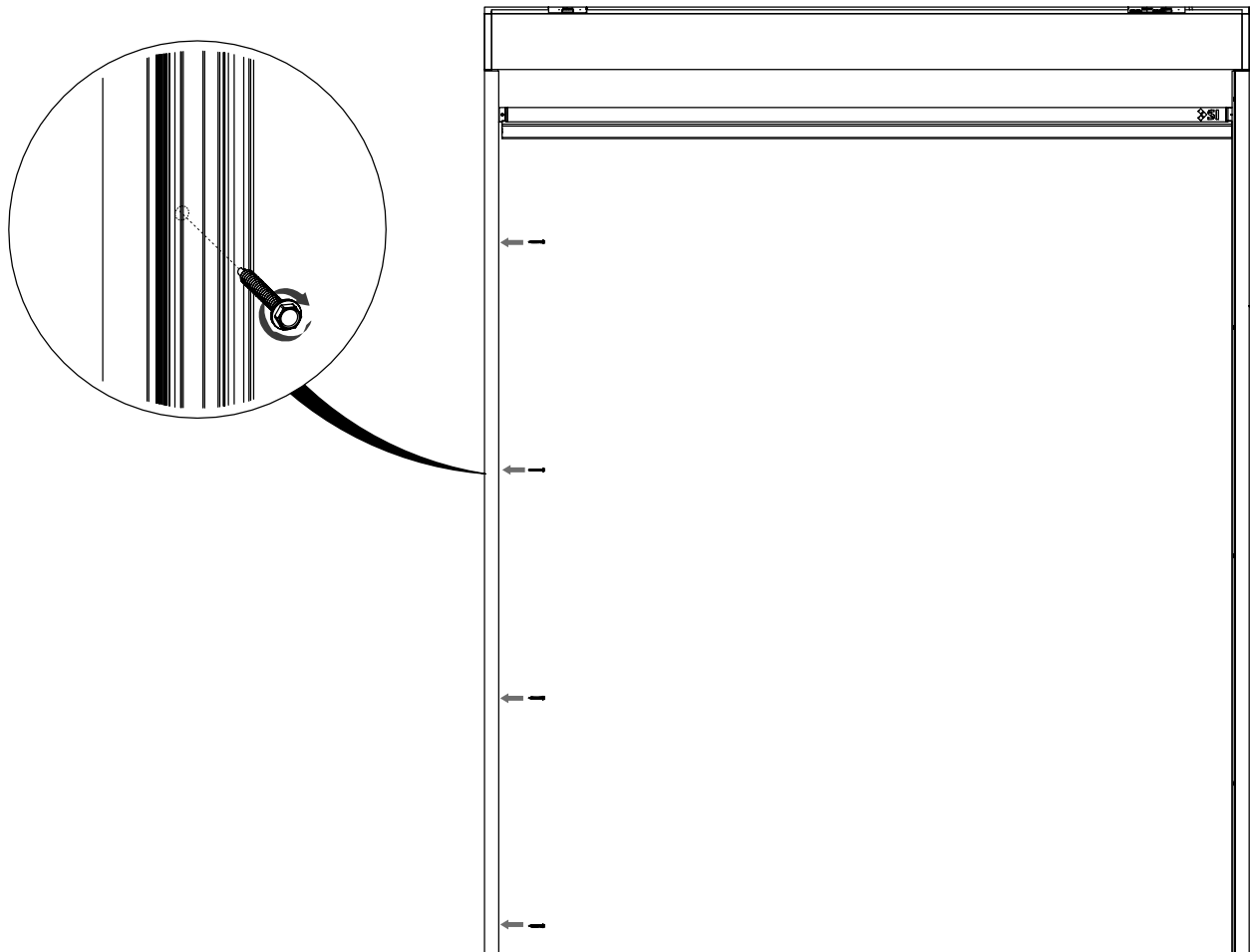
Note: Make sure that the tracks are mounted square to the cassette and plumb from all directions. Leave a 1/8" gap between the top of the tracks and the bottom of the cassette.



INSTALLATION – ZIPPER TRACKS

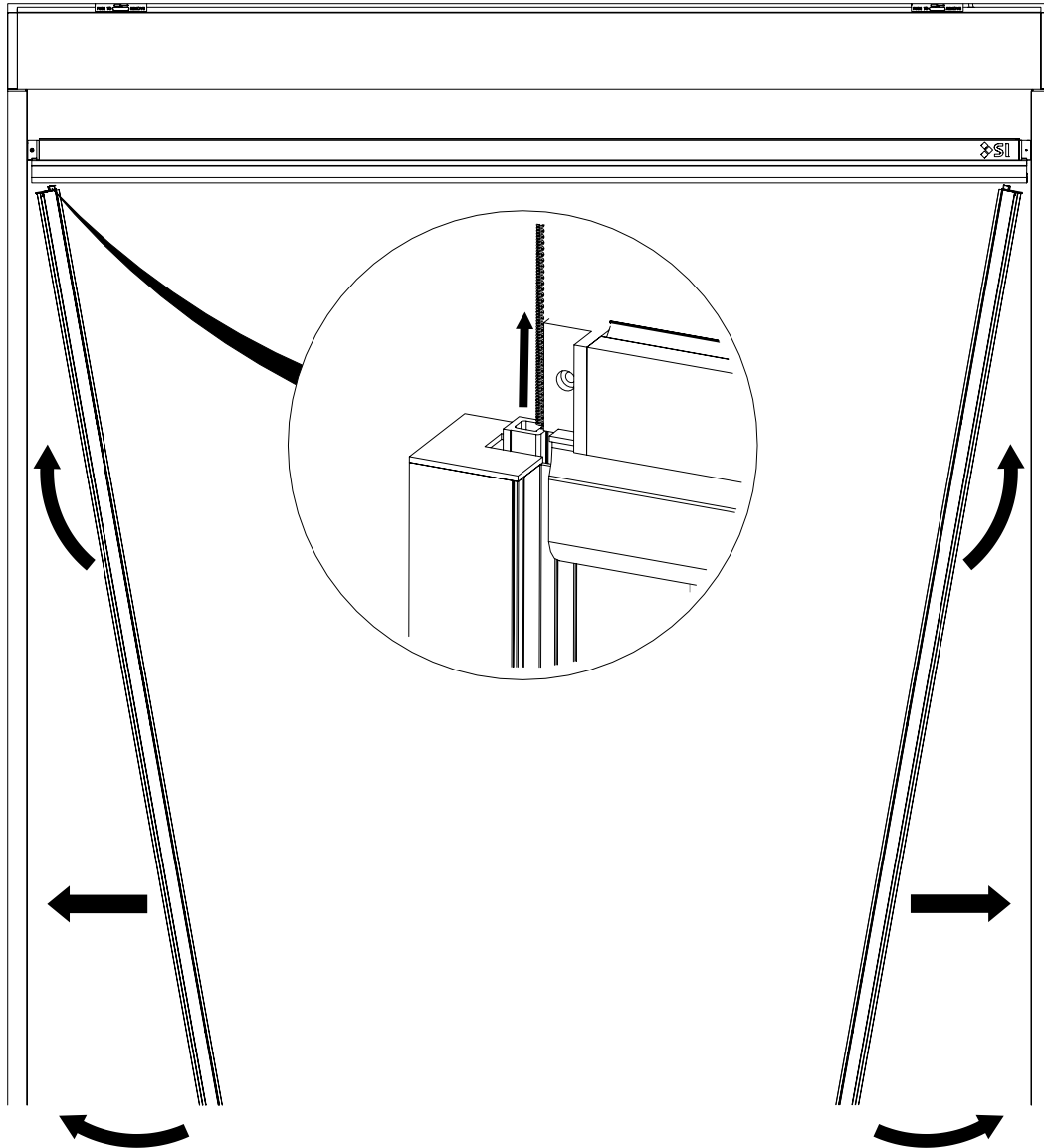
- 3 Use appropriate fasteners to secure the tracks against the mounting surface.

Note: Pre-drilling for anchors along the score line will expedite and simplify the installation process. Refer to side “a,” side “b” on page 8.



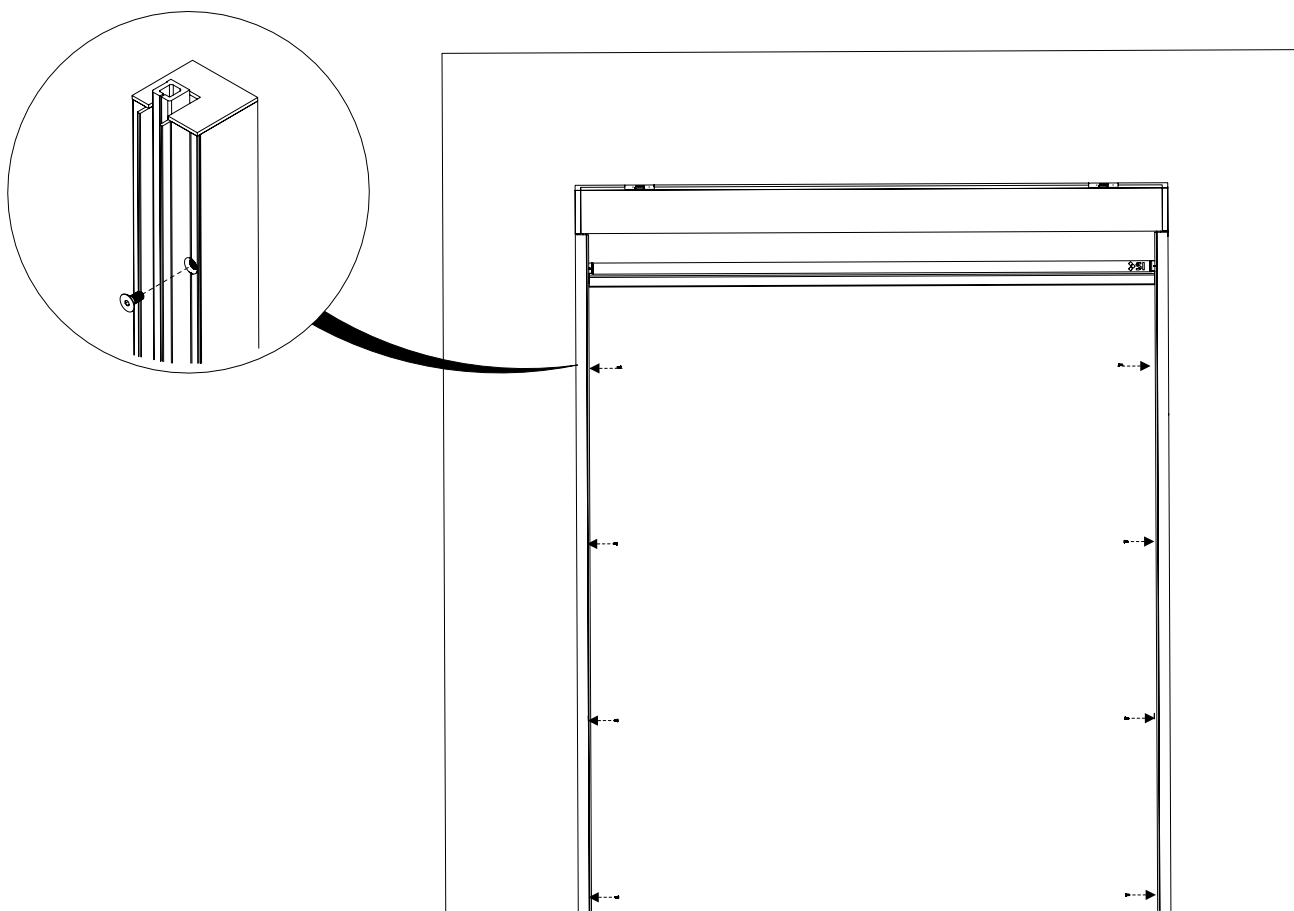
INSTALLATION – ZIPPER TRACKS

- 4** Angle the top of the zipper track housing and align under material path. Feed the zipper into the top of the zipper track housing and pivot the bottom until it seats with the fixed track.



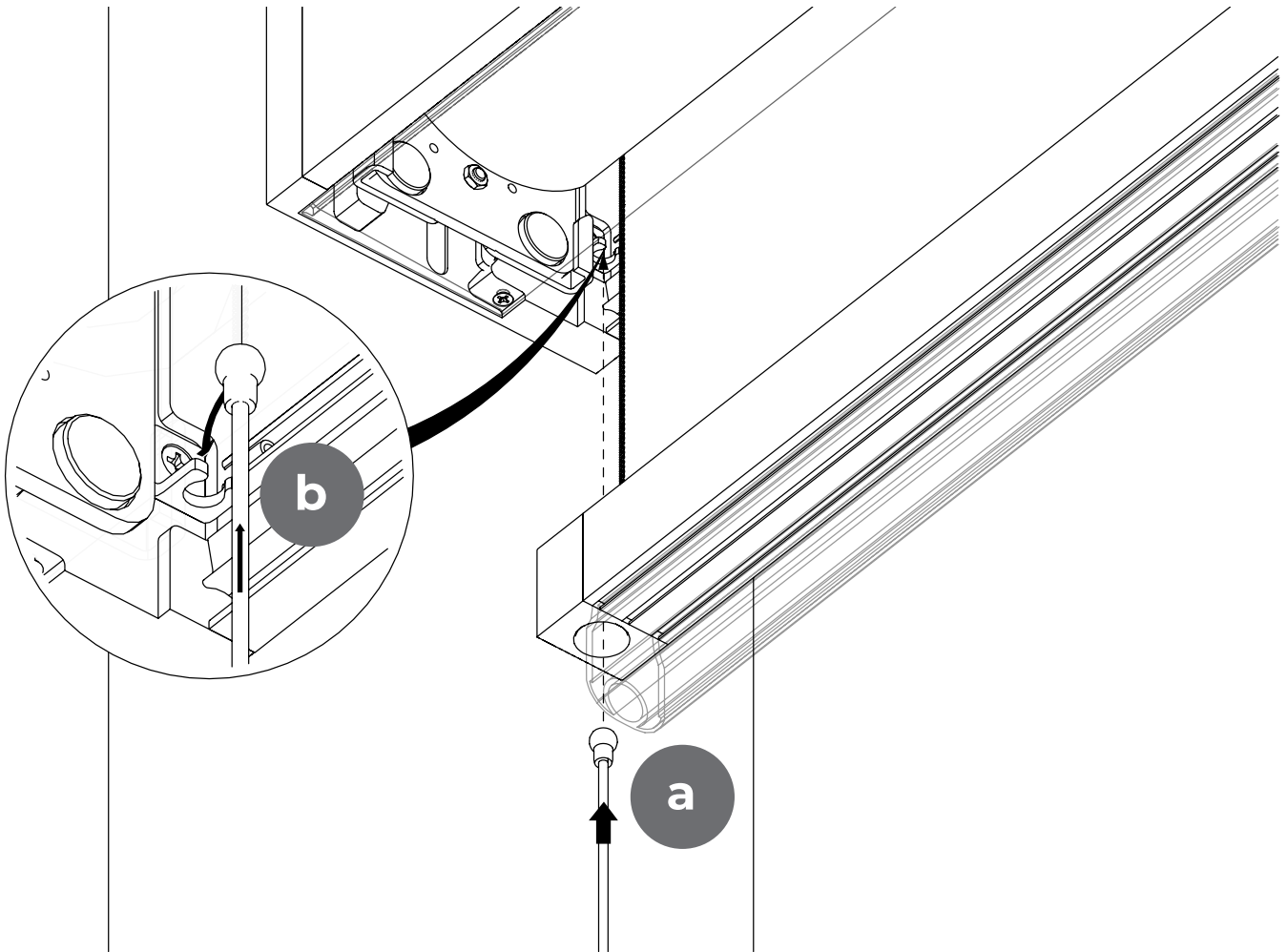
INSTALLATION – ZIPPER TRACKS

- 5** Secure the zipper track housing to the fixed track with the provided screws.



INSTALLATION – CABLE GUIDE MOUNTS

- 1** a. Run the cable through the hem bar end cap and position the crimped end just above the cable mount.
b. Capture the crimped end of the guide cable as shown in figure “b.”



TENSIONING – THE CABLE GUIDES

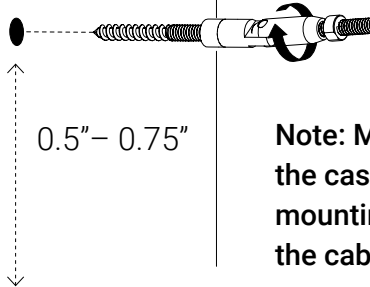
2

Screw the tensioner to the mounting surface, cut the cable to the appropriate length (**see note A below**), and insert the cable to the tensioner. **See note B**, to tighten the cable. Set tension by rotating the locknut clockwise; it should seat firmly against the bottom of the tensioner. The wall anchor should be mounted 0.5" to 0.75" above the ground.

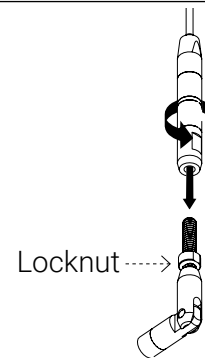
Note A: Make sure that the cables are mounted plumb from all directions, and the cassette is level. As a final check, ensure the left and right cables are the same distance apart from top to bottom, within 1/4." Measure from the cable mount to the tensioner mounting hole and take appropriate deduction to cut the cable.

Note B: Turn clockwise to tighten and counterclockwise to loosen. Follow appropriate instructions for anchoring into the substrate.

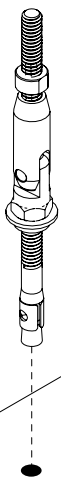
Wall Mount



Note: Measure from the bottom of the cassette to the cable tensioner mounting hole, deduct 2 7/8," and cut the cable to length.

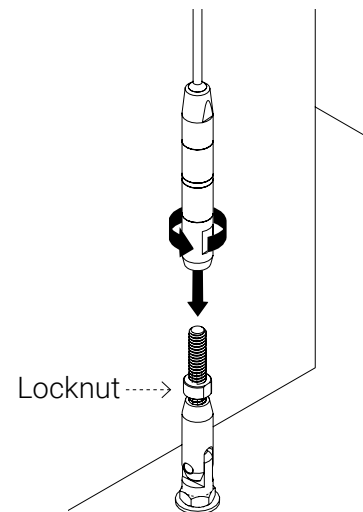


Floor Mount



Note: Measure from the bottom of the cassette to the cable tensioner mounting hole, deduct 3 1/2," and cut the cable to length.

For concrete floors only, drill a 1.5" deep hole into the floor for the anchor, which attaches to the floor mount.



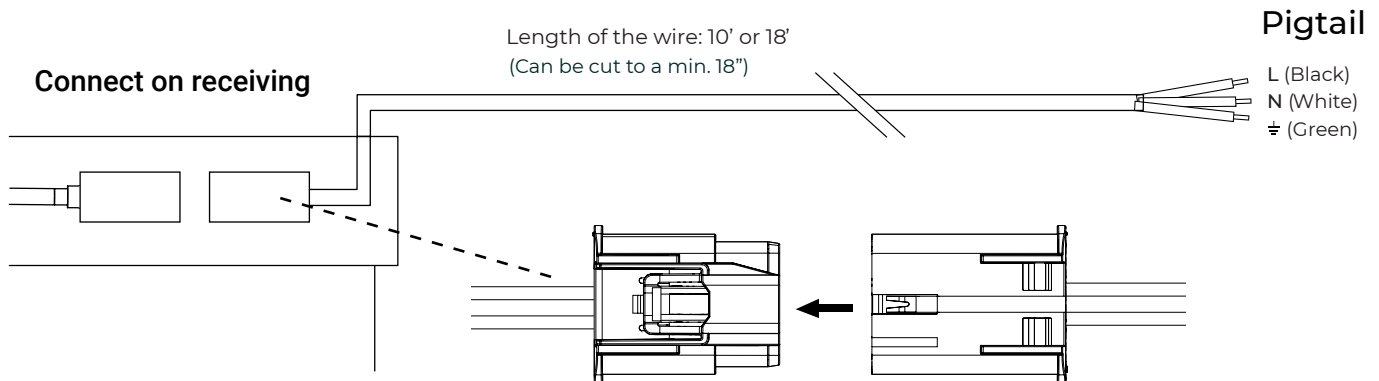
Note: Cable guides comes along with a Quick Release tool kit, please refer to the instructions on the back of it, or you can scan the QR code to see a video to use it, to release the cable guides incase needed to.

LINE VOLTAGE (110v AC/ 60Hz) – INTERNAL



Installation must follow all local electrical codes when working with 110v AC power, use a certified electrician when necessary.

NOTE: All Zen shades have an internal disconnect and ships disconnected. Before running the shade, open the shade door and complete the connection.



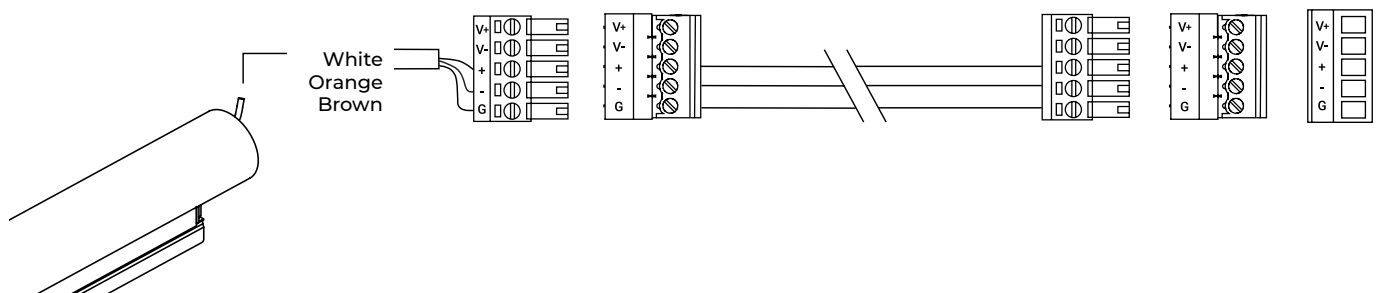
LINE VOLTAGE (AC - 485 CONTROL) – WIRING

Terminate the data wires into the provided terminal block shown below for **485 control wiring**.

Motor Quick Commissioning Guide:

Based on your order, refer the motor (485/ RTS) your screen/shade uses. Scan the QR code, alternately use the link to access:

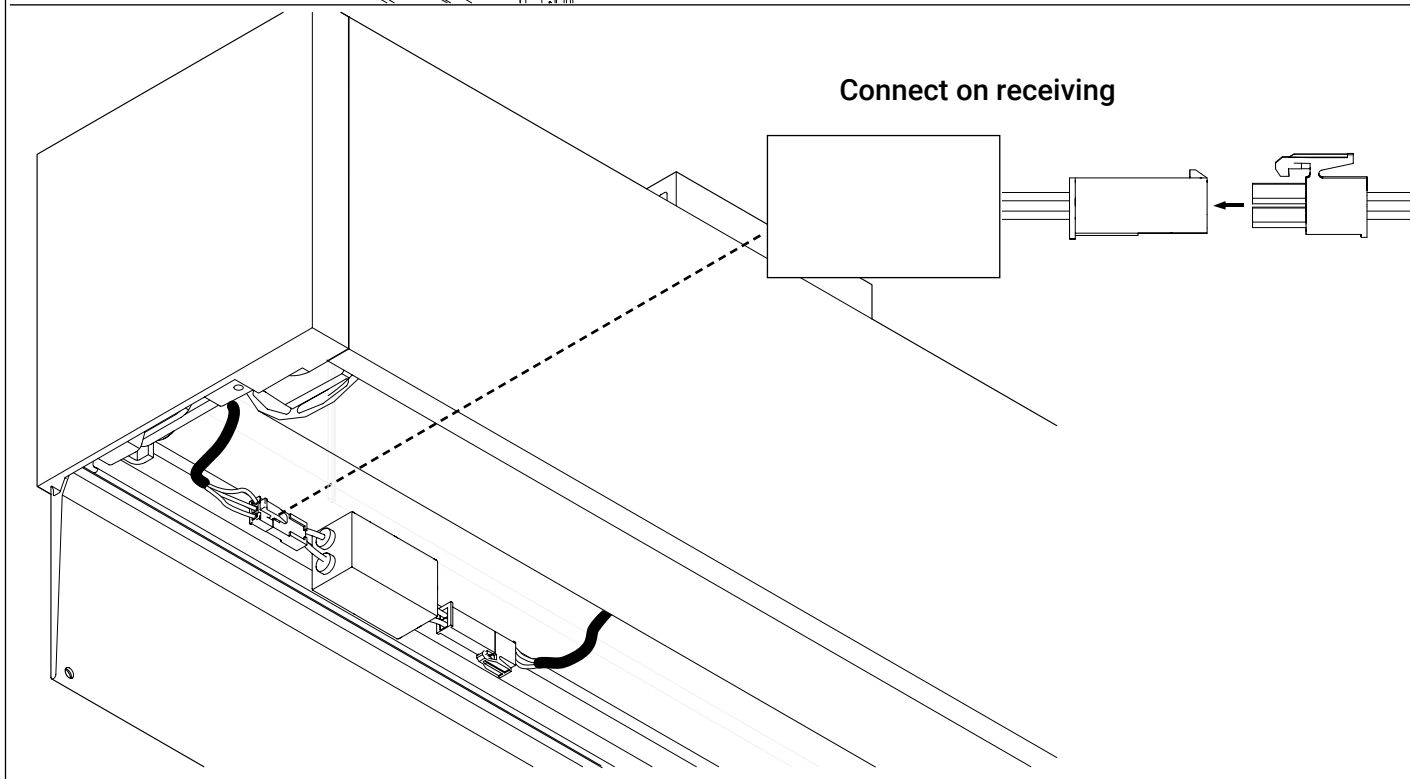
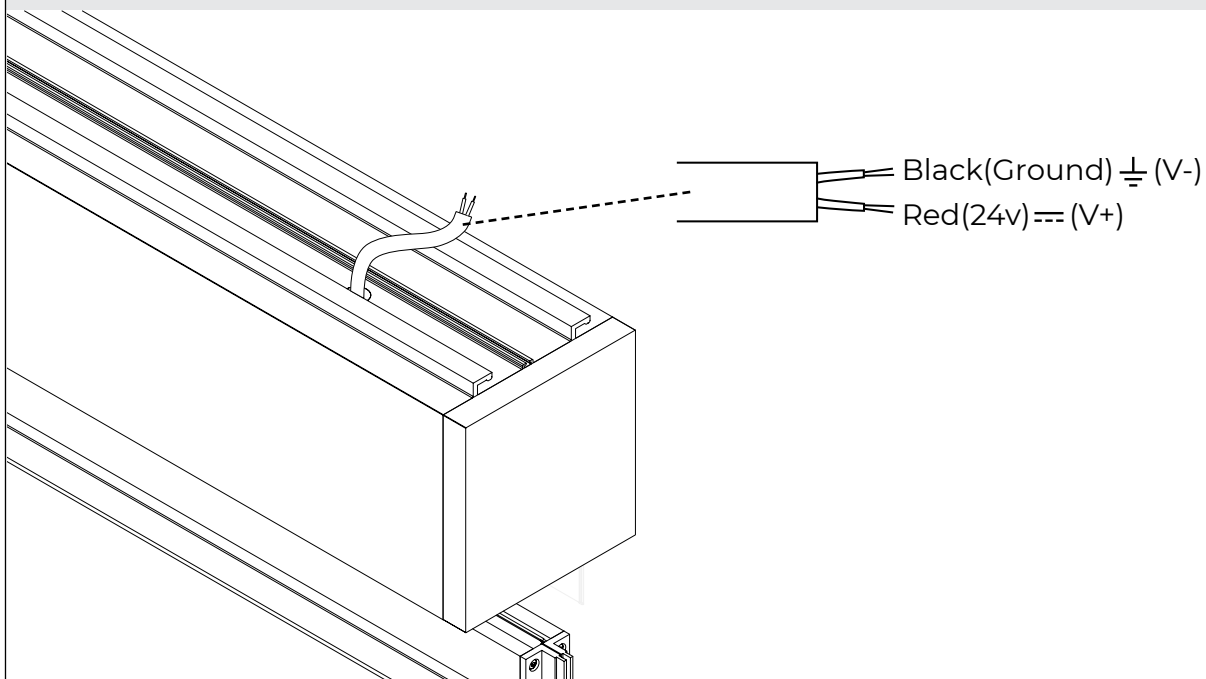
<https://files.screeninnovations.com/Downloads/Programming+Guides/quick-motor-commissioning-guide.pdf>



LOW-VOLTAGE – WIRING

Shade can be powered by Janus or Kratos power distribution systems requirements for alternative power supply is 24vDC @ 3.5 amps.

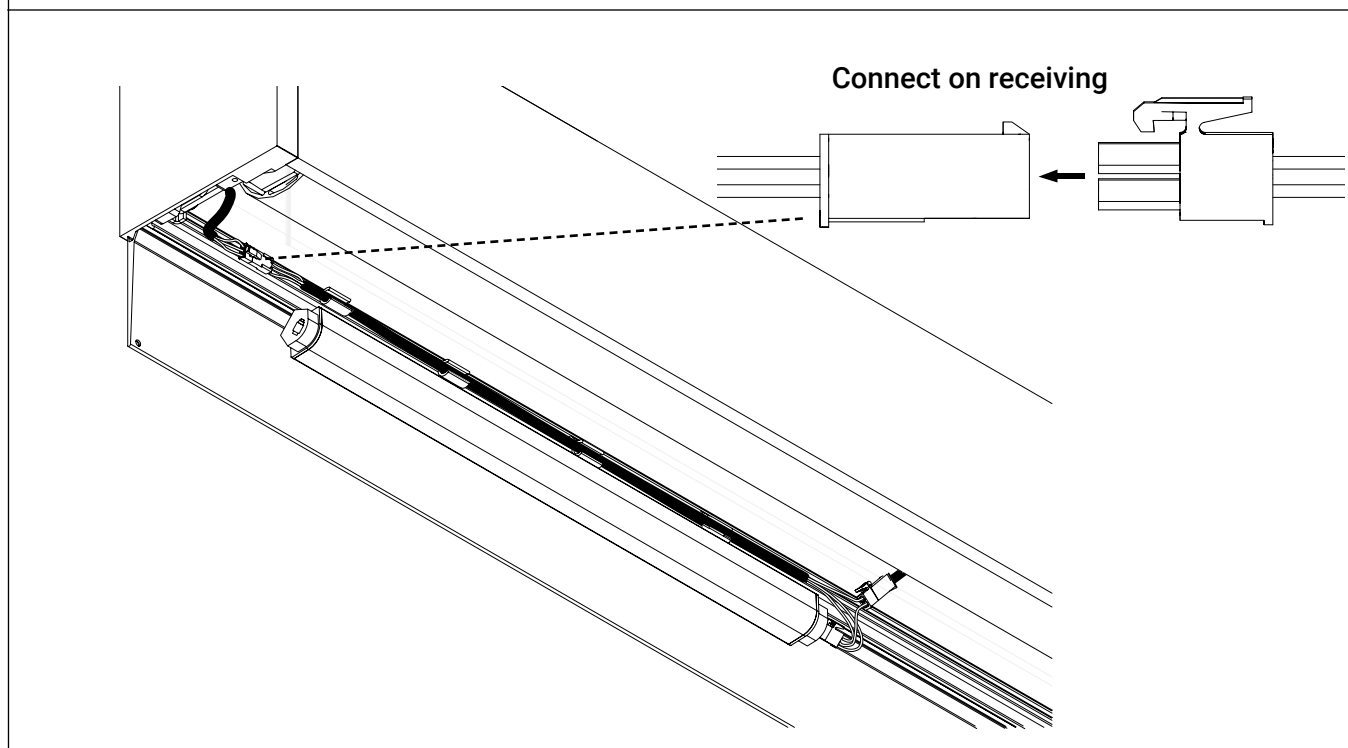
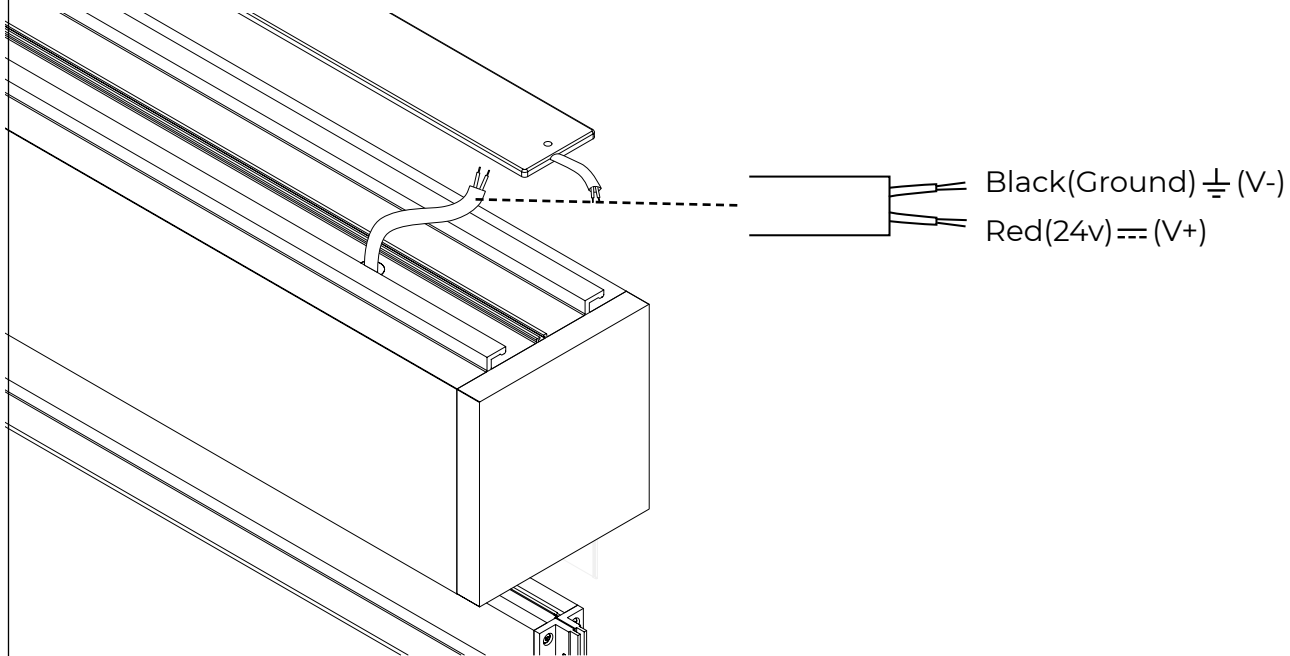
Heat shrink self soldering connectors have been provided for your convenience. Please scan the QR code for a quick video on this.














SOLAR (LITHIUM BATTERY) – WIRING

Solar configured shades ship with a 10' extension for the solar panel. This cable should be cut to the appropriate length and connected to the solar panel using the included Heat Shrink Self Soldering connectors.

Heat shrink self soldering connectors have been provided for your convenience. Please scan the QR code for a quick video on this. Strip 1/4" wire from each conductor, place solder connector on



RTS - ADJUSTING LIMITS

| Adjusting the Limits in User Mode | |
|--|---|
| Your programming remote comes factory set with the limits. If you need to make adjustments to the limits, follow the steps below: | |
| To change the lower limit Send the motor to it's current lower limit. | To change the upper limit Send the motor to it's current upper limit. |
|  Press both  and  at the same time until the motor jogs. Adjust to a new lower limit position. |  Press both  and  at the same time until the motor jogs. Adjust to a new upper limit position. |
|  Press  until motor jogs. |  Press  until motor jogs. |
| <p>If you need to re-set the limits, or add/delete a transmitter or channel, or set a new preferred position, then Scan the QR code, alternately use the link below, go to the guides tab to access</p> <p>https://files.screeninnovations.com/Downloads/Programming+Guides/quick-motor-commisioning-guide.pdf</p>  | |

RTS - RESET AND PROGRAMMING GUIDE

Motor Reset and Pairing with Remote Control

NOTE: Somfy RTS motors use the same procedure to Pair and Unpair an RTS transmitter; you must power only one motor at a time when configuring.

- 1** Start with having power applied to the motor.
- 2** Remove the power for two (2) seconds.
- 3** Re-apply power for ten (10) seconds.
- 4** Remove the power again for two (2) seconds.
- 5** Re-apply power. The shade will begin to move.
- 6** When the shade comes to a stop, press and hold the programming button on the back of the remote until the shade jogs twice (a single jog is one (1) UP and one (1) DOWN movement). Do not release the button until the shade jogs twice or you be required to restart the power-cut process.
- 7** To pair the RTS remote to the shade, press and hold the UP and DOWN buttons simultaneously until the shade jogs once.

NOTE: If using a multi-channel remote, select the needed channel on the remote before programming.

RTS - MOTOR LIMIT SETTING AND USER MODE

- 1 If the remote control is already paired to the motor using the steps above, continue to Step 2. Otherwise, using the remote, press and hold the UP and DOWN buttons simultaneously until the shade jogs once.
- 2 Check that the motor direction is correct (UP moves the shade up, DOWN moves it down). If incorrect, reverse the motor direction by pressing and holding MY/STOP until the shade jogs once.
- 3 Move the shade to the desired upper limit; press and release the MY/STOP and DOWN buttons until the shade starts to move down. If it does not start moving on button release, repeat this step.
- 4 Once the shade begins to travel down by itself, press MY/STOP when it gets close to the desired lower limit.
- 5 Move the shade to the desired lower limit and then press and release the MY/STOP and UP buttons until the shade starts to move up. If it does not start moving upon button release, repeat this step.
- 6 While the shade is travelling up, press the MY/STOP button to stop the shade anywhere between the newly created limits.
- 7 Press and hold the MY/STOP button until the shade jogs once to complete and exit the Motor Programming.
- 8 Press and release (do not hold) the programming button on the back of the remote, the shade will jog one time confirming the programming completion. This finalizes the programming, commits the programming to memory, and puts the shade into User Mode.

CONTROLS GUIDE REFERENCE

With your shade order, you shall receive one of the below mentioned Controls Guides which will walk you through integrating with control system.

Fontus Motor Conversion Instructions:

Scan the QR code; alternatively, use this link to access:

<https://files.screeninnovations.com/Downloads/Installation+Instructions/Connectivity/fontus-shade-conversion-installation-instructions.pdf>



TRO.Y Installation Instructions (RS232, IP Control, 3rd party Control system):

Scan the QR code; alternatively, use this link to access:

<https://files.screeninnovations.com/Downloads/Installation+Instructions/Connectivity/troy-installation-instructions.pdf>



LinkPro Z Installation Instructions (IP Control, 3rd party Control system):

Scan the QR code; alternatively, use this link to access:

<https://files.screeninnovations.com/Downloads/Installation+Instructions/Connectivity/LinkProZ-installation-instructions.pdf>



Technotes (For all popular Control systems):

Go to our Drivers page on: <https://drivers.screeninnovations.com/>

Select the Control system you need and then when the page loads for it, you can click on the Download technotes button for that control system.



Tahoma Installation Instructions (IP Control, 3rd party Control system):

Scan the QR code; alternatively, use this link to access:

<https://files.screeninnovations.com/Downloads/Installation+Instructions/Connectivity/tahoma-installation-instructions.pdf>



Problems related to electrical or motor function may require a qualified service person or electrician. For issues surrounding installation and operation, email our tech support team at shadesupport@screeninnovations.com or contact the **Screen Innovations Technical Service team at 512.832.6939**.



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