

# Solo 3

## Outdoor External (110v AC)

### Installation Instructions

Incl. Zipper tracks



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](http://screeninnovations.com)

[screensupport@screeninnovations.com](mailto:screensupport@screeninnovations.com)

# TABLE OF CONTENTS

Operating and Care of Your Screen .....1

Before Proceeding .....2

Parts in the Box .....3

Unpacking – the Material Roll ..... 4

Installation – Mount the Brackets.....5

    – Mount the Cassette ..... 6

    – Through Bolting the Cassette .....7

    – Material Roll ..... 8 – 9

    – Zipper Tracks ..... 10 – 14

Line Voltage (110v AC/60 Hz) Wiring .....15

Line Voltage (AC – 485 Control) Wiring .....16

Controls Guide Reference .....17

# OPERATING AND CARE OF YOUR SCREEN

Operation of the screen systems should only be performed by responsible parties.

Always check the path of the Solo 3 screen before operating to ensure that the path is clear of furniture or obstacles that could prevent full operation. Monitor the Solo 3 screen for smooth operation through its entire range. Operating a Solo 3 screen unattended may lead to damage from obstructions or other causes.


DO NOT lower Solo 3 screen during high wind conditions (depends on material 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 screen system is currently in the down position, it is usually okay to operate the screen and retract it. However, avoid operation at any time high wind conditions are present for proper operation.

For Solo 3 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.

Material maintenance and cleaning– Solo 3 screen material 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. Screen materials 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.

Maestro Cleaning Instructions – Remove dust with soft bristled attachment on a vacuum cleaner or compressed air. Clean with a Microfiber cloth dipped in soapy water using a few drops of “Dawn.” Clean small stains by rubbing the fabric very gently with a clean white pencil eraser

# 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.

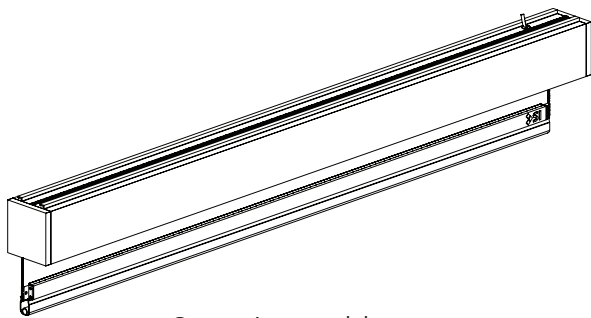
Electrical work should be performed following appropriate electrical codes and regulations by a licensed electrical professional.

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

Do not use any sharp blades when opening the packaging.

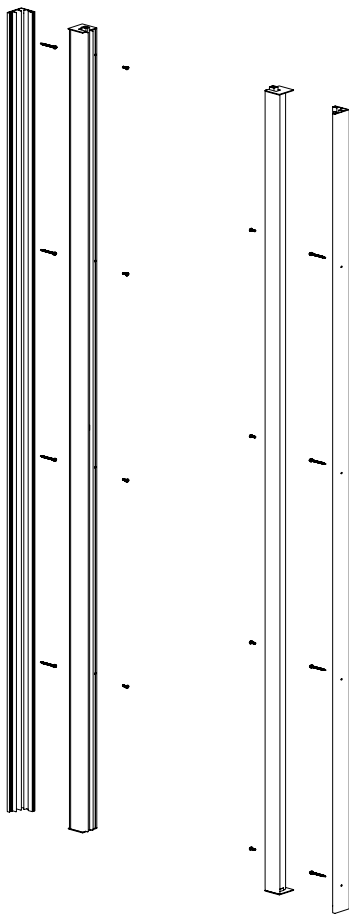
**PARTS IN THE BOX – SOLO 3 OUTDOOR**

**Screen**

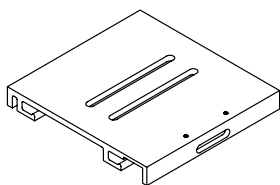


Case Assembly  
575/675

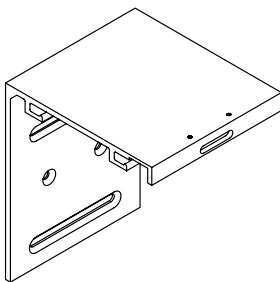
**Zipper Tracks  
Only  
(optional)**



**Mounting Bracket Options**

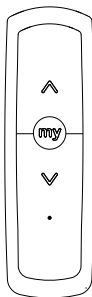


(2/3) Ceiling Mount Brackets



(2/3) Wall Mount Brackets

**Accessories Options**



Programming Remote  
(Included)

**Required  
Hardware**

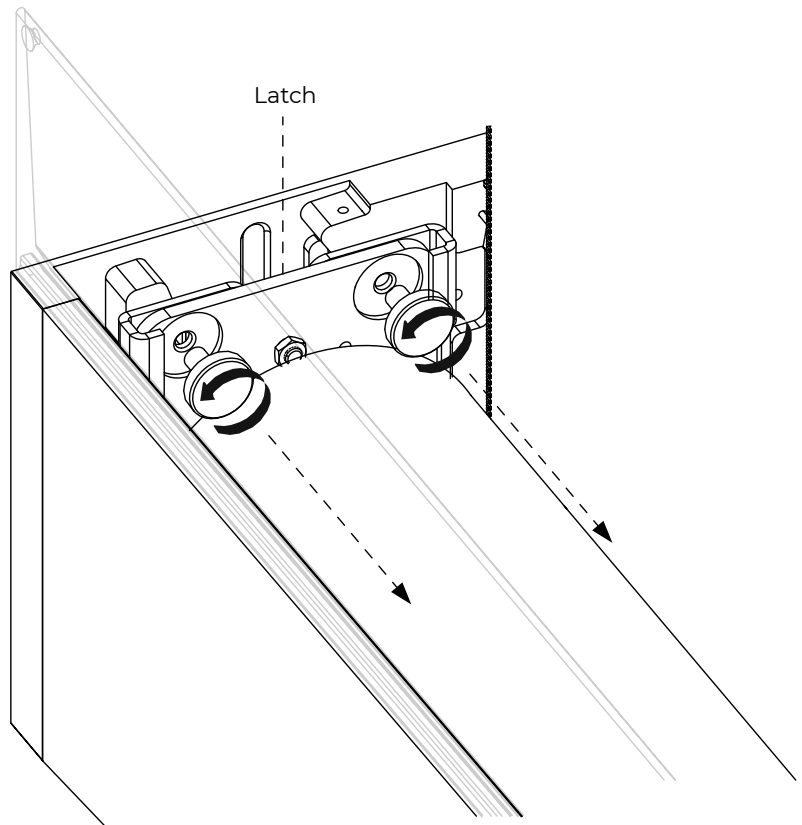
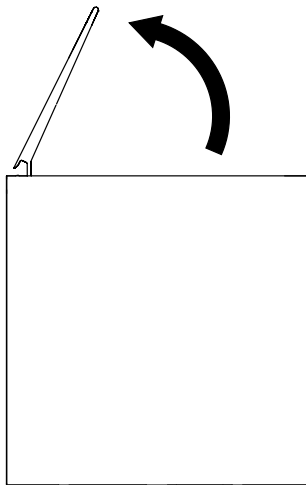


(6) Mounting Screws  
NOTE: Not Provided.

# 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** Using the red straps on both the ends, slowly and carefully pull out material roll and set it aside.

**NOTE:** Using two (2) people, lay the material roll on a clean soft surface.

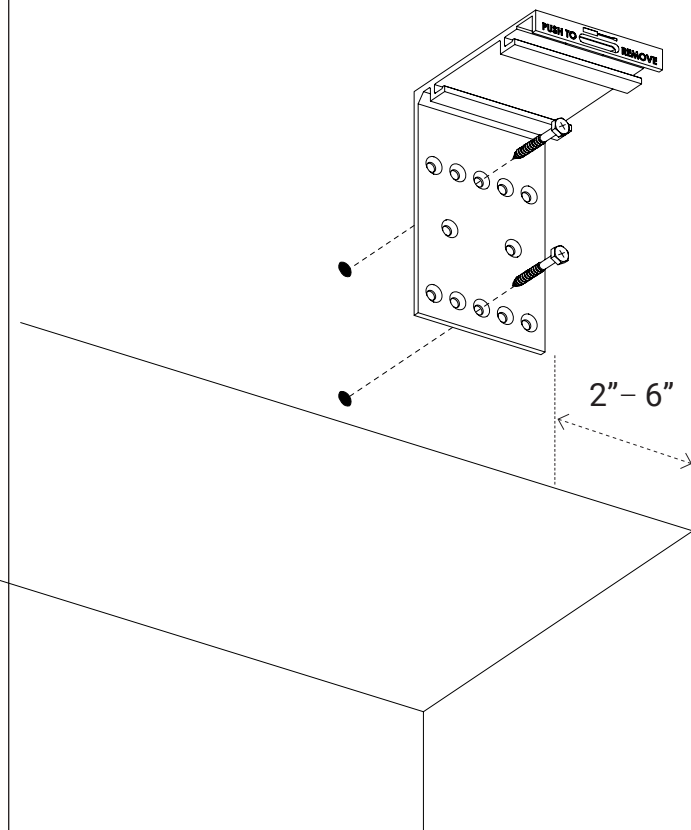
# INSTALLATION – MOUNT THE BRACKETS

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

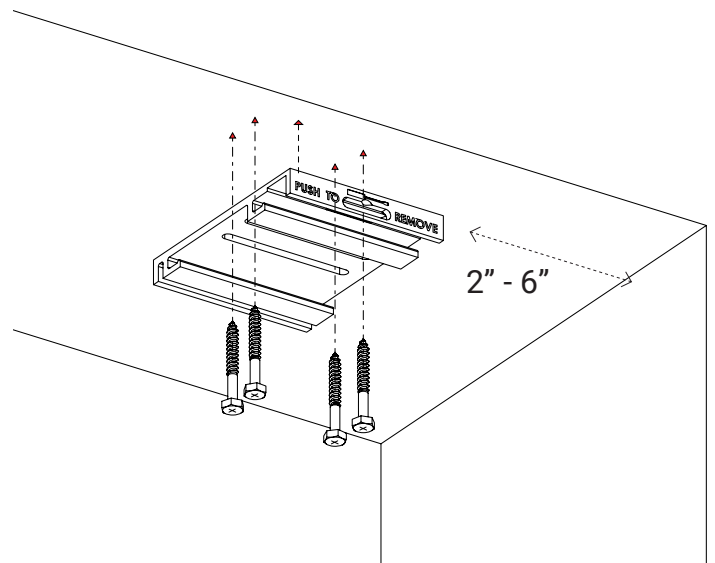
- 1 Use appropriate fasteners to mount the ceiling brackets to structural supports. Mount brackets between (2–6") from the opening ends (additional brackets are intended to prevent cassette sag and should generally be applied to the middle of the cassette). All brackets must be in line and level to each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

**NOTE:** Ensure the fasteners used are adequate for the weight of the Solo 3 screen and structure.

Wall Mount



Ceiling Mount





# INSTALLATION – MOUNT THE CASSETTE

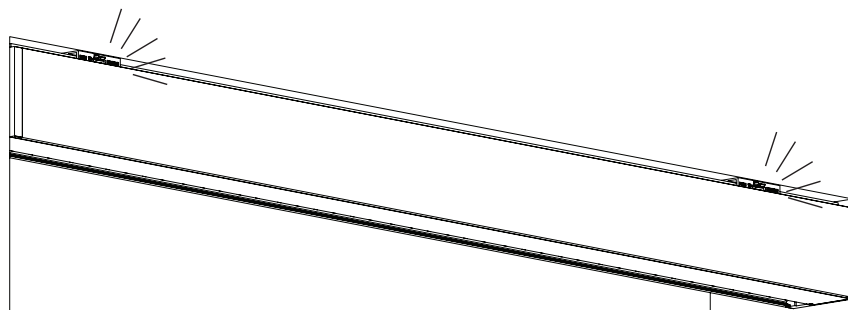
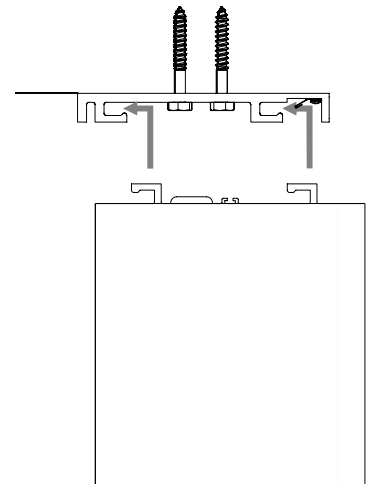
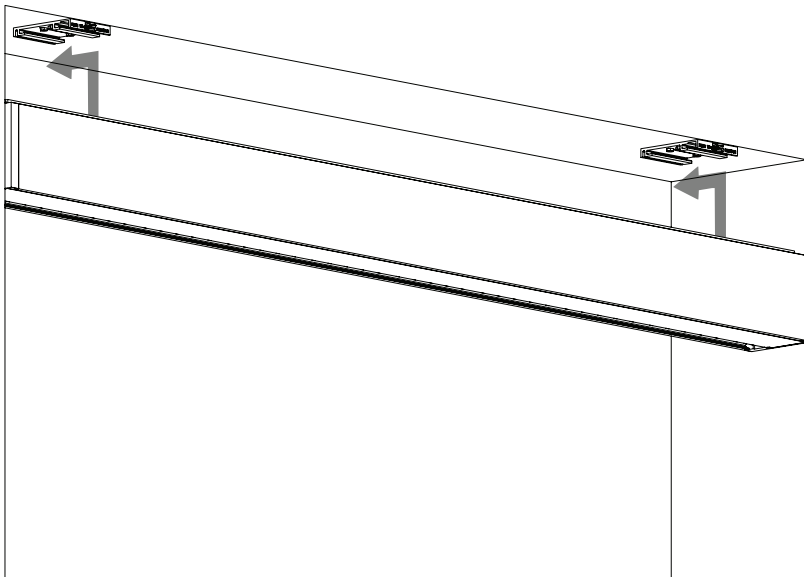


2+

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.



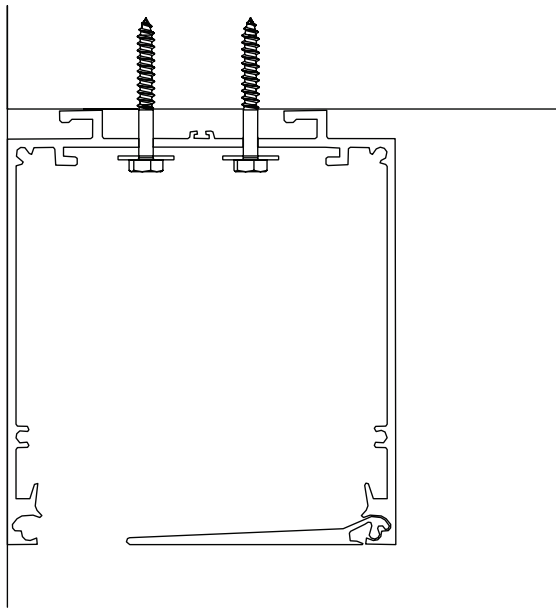
# INSTALLATION – THROUGH BOLTING CASSETTE

3

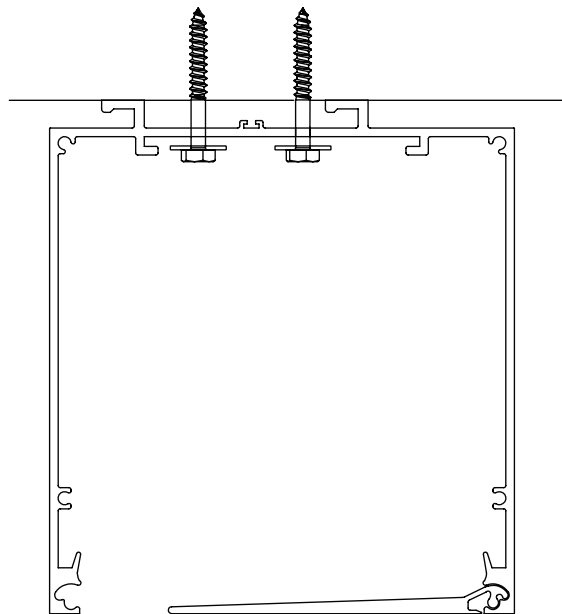
**NOTE:** Be careful not to over torque or aggressively drill retention hardware when mounting the cassette because deformation to the case could occur, this is especially important when ceiling mounting as cassette deformation will make it difficult or impossible to attach the front removable section. 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 screen material roll. Damage to the material caused by anchoring is not covered under warranty. Before starting, 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.



575 Cassette Mount

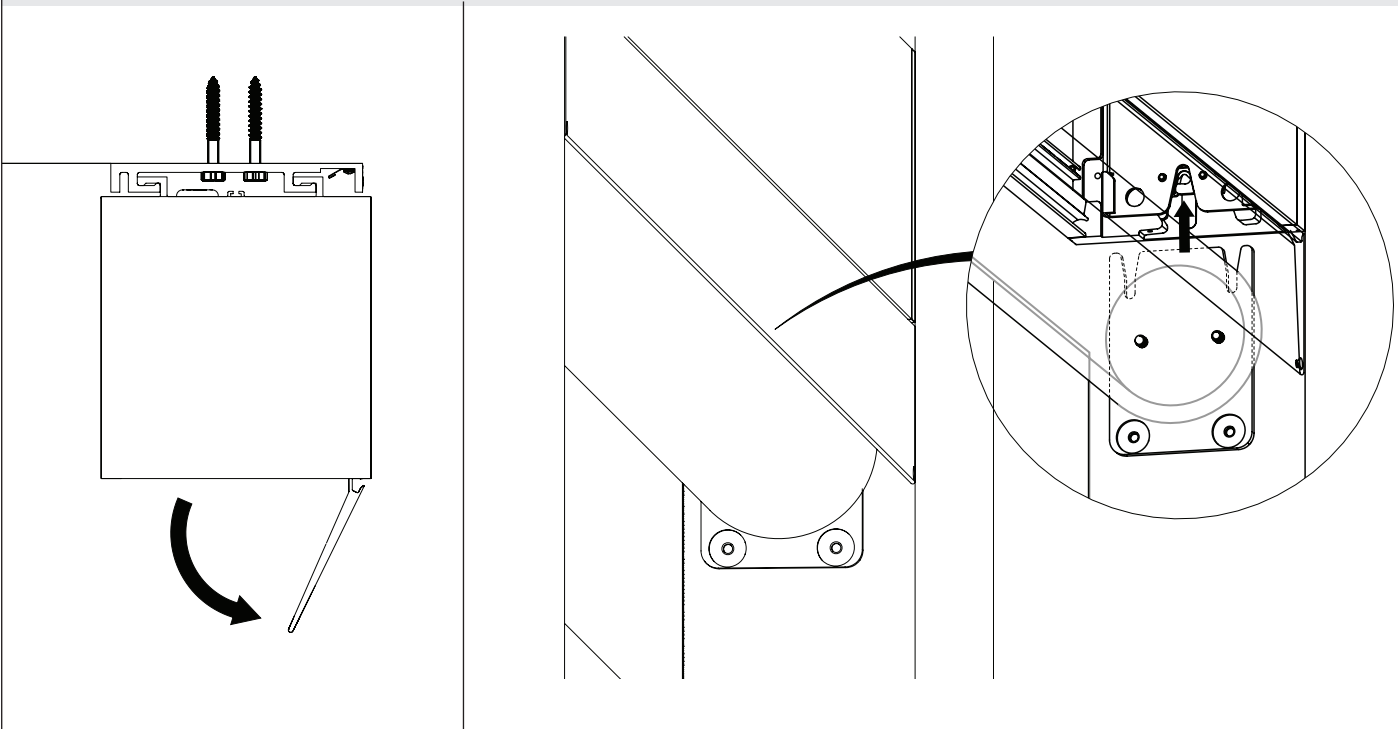


675 Cassette Mount

# 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.

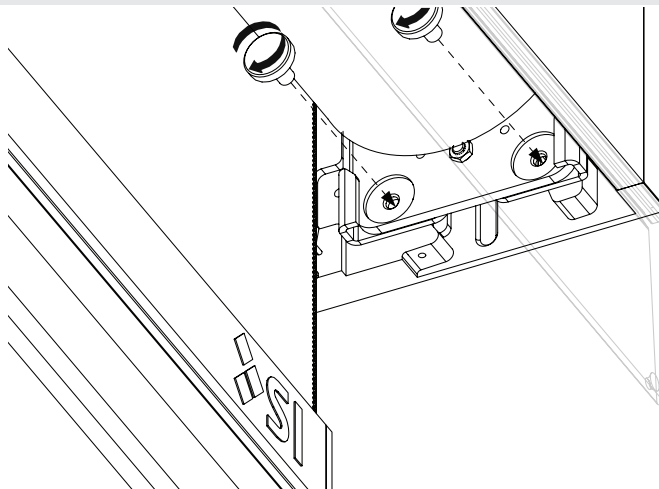
**NOTE:** The roll must remain level while installing into the cassette.



- 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.



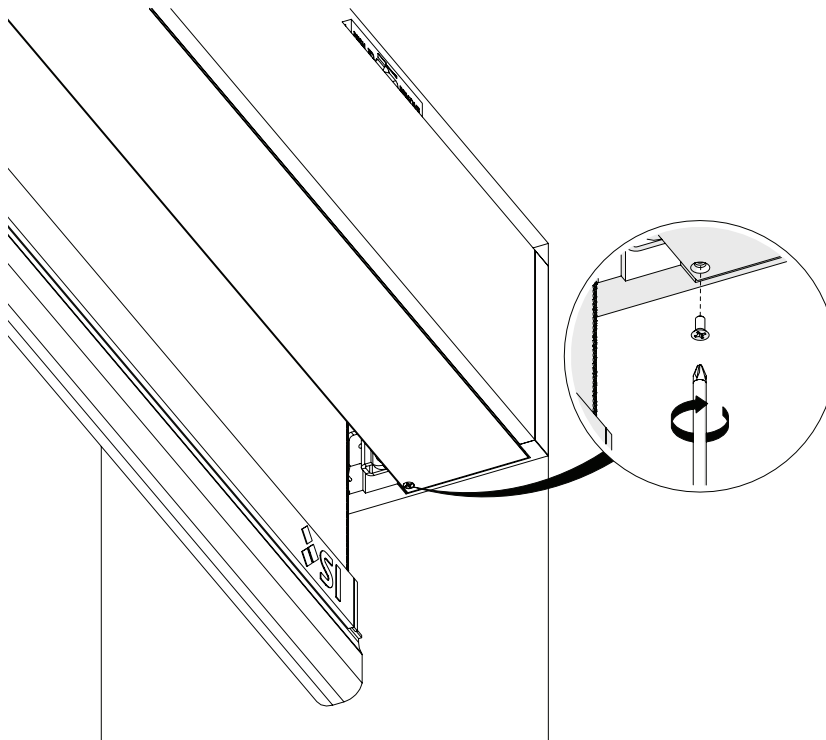
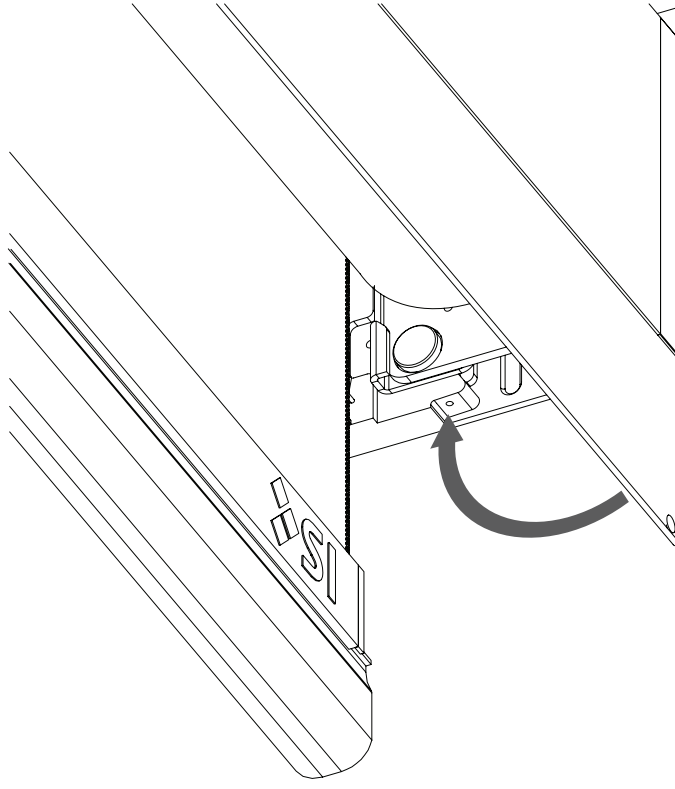
**This step is required for safety. Back safety screws out before installation. Must be re-engaged after installing material roll.**



## INSTALLATION – MATERIAL ROLL

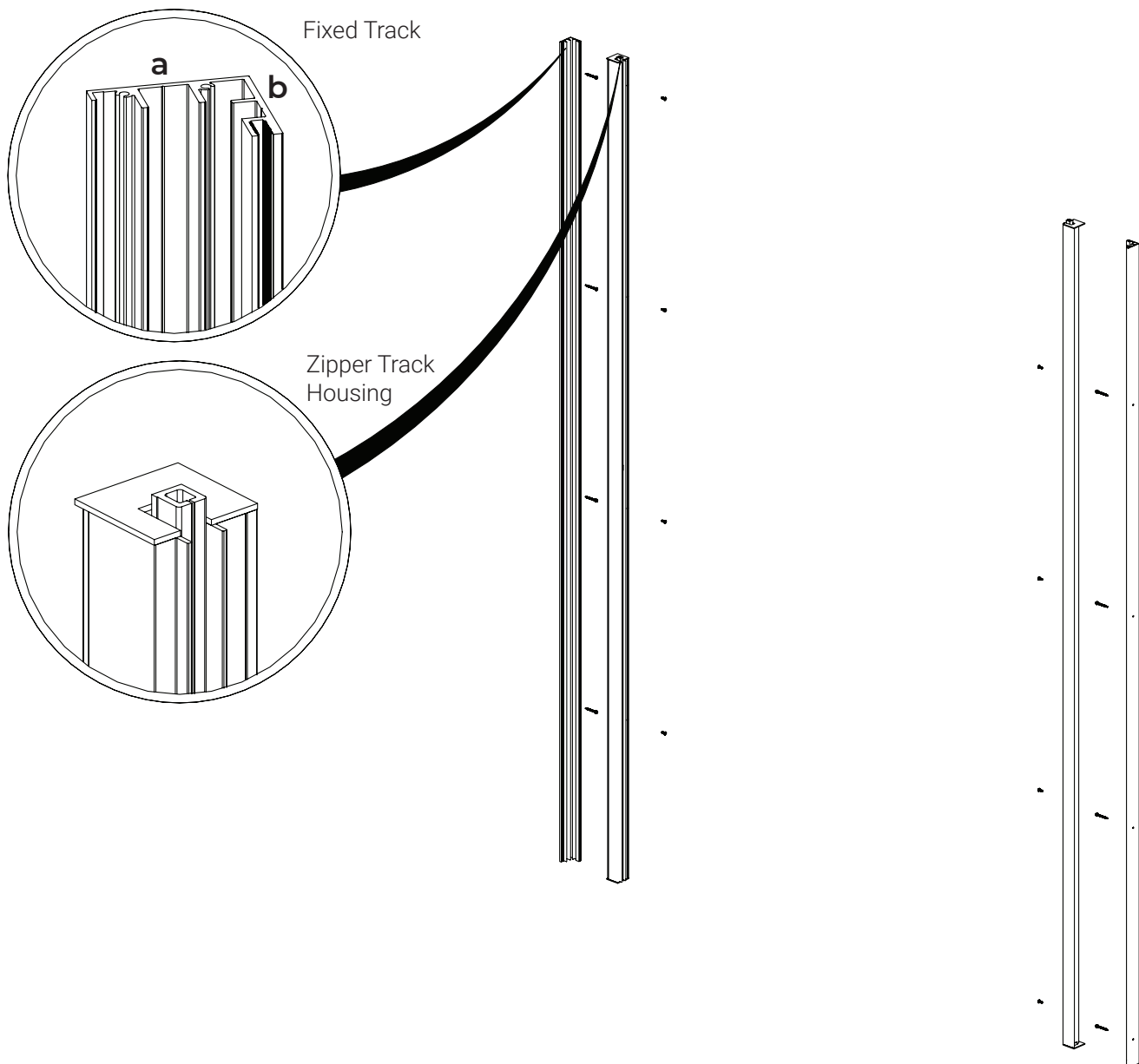
6

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



# INSTALLATION – ZIPPER TRACKS

- 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.**

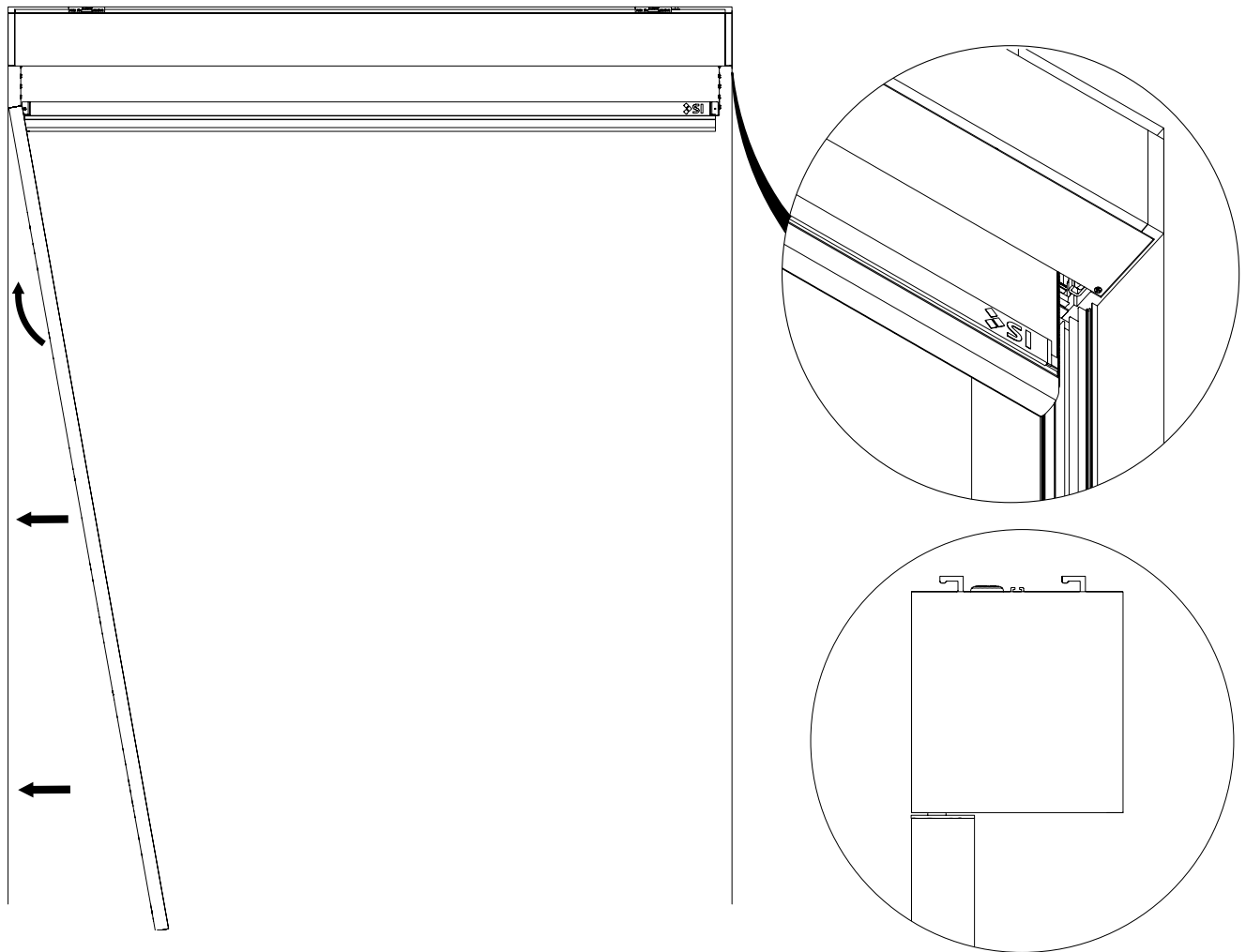


## INSTALLATION – ZIPPER TRACKS

- 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 zipper on the screen material.

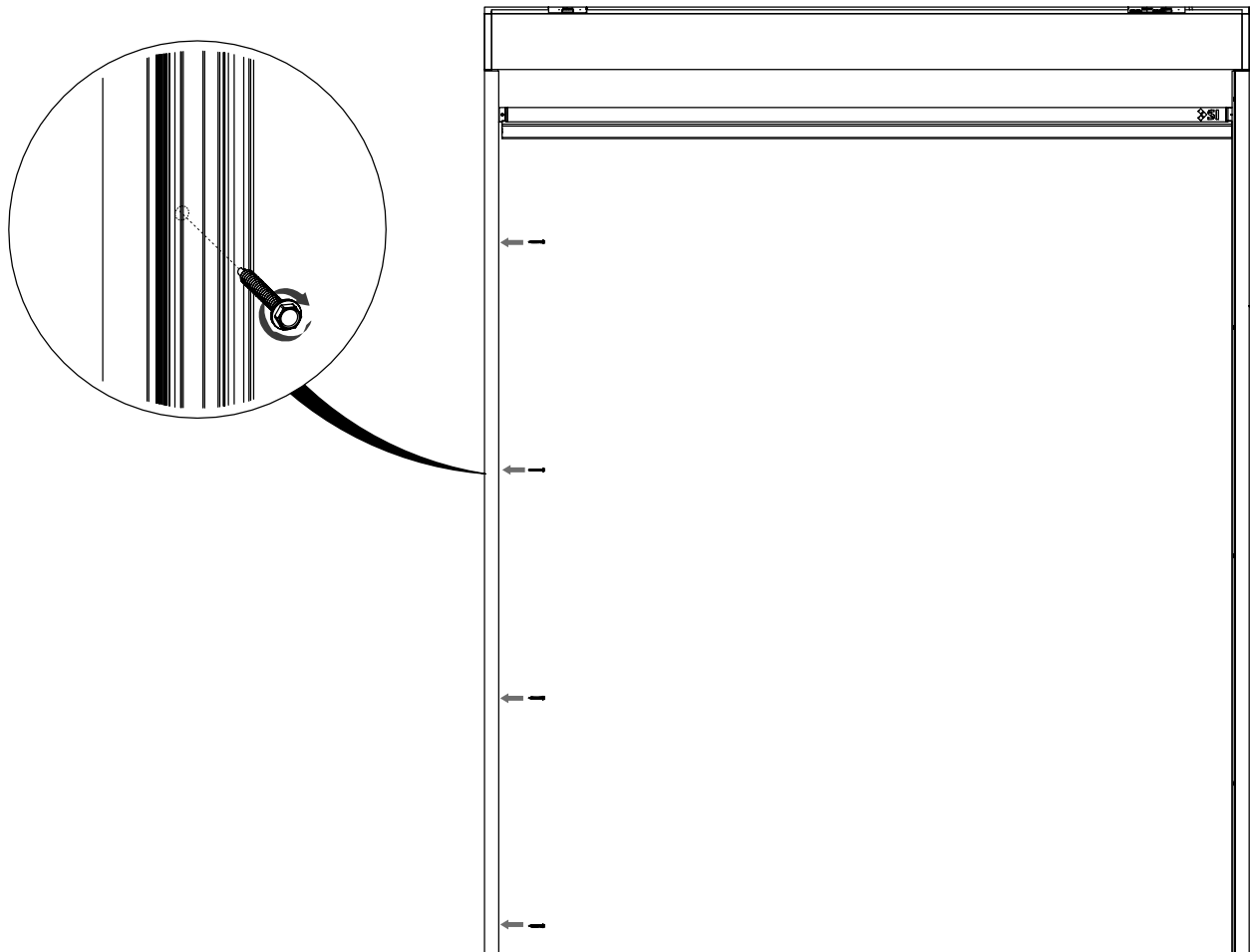
**NOTE:** Make sure that the tracks are mounted square to the cassette and plumb from all directions. Leave a  $\frac{1}{8}$ " gap between the top of the tracks and the bottom of the cassette.



# INSTALLATION – ZIPPER TRACKS

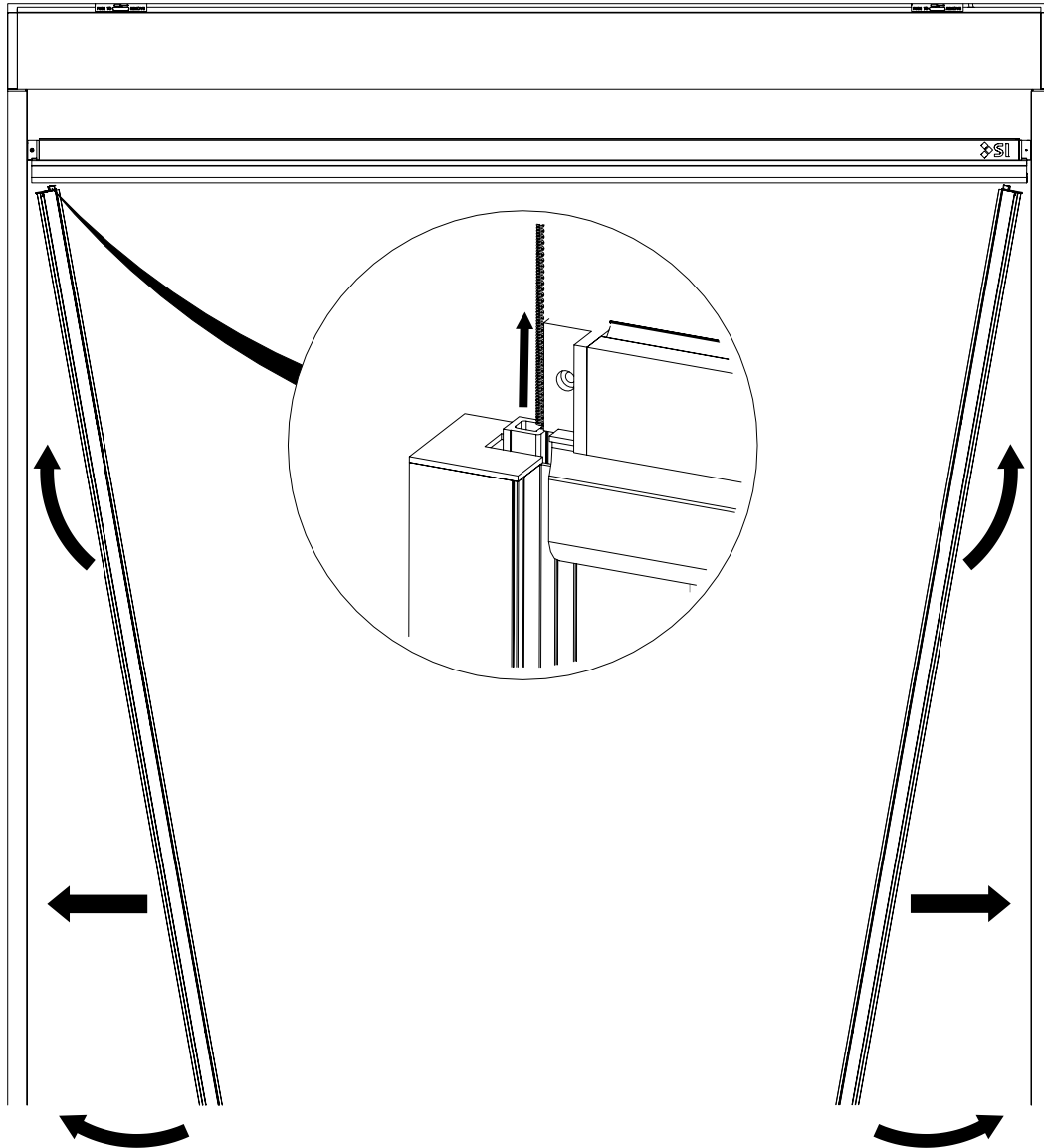
- 3 Use appropriate fasteners to secure the tracks against the mounting surface.

**NOTE:** Pre-drilling for anchors along the score line will expedite and simplify the installation process. Refer to side “a,” side “b” on page 10.



## INSTALLATION – ZIPPER TRACKS

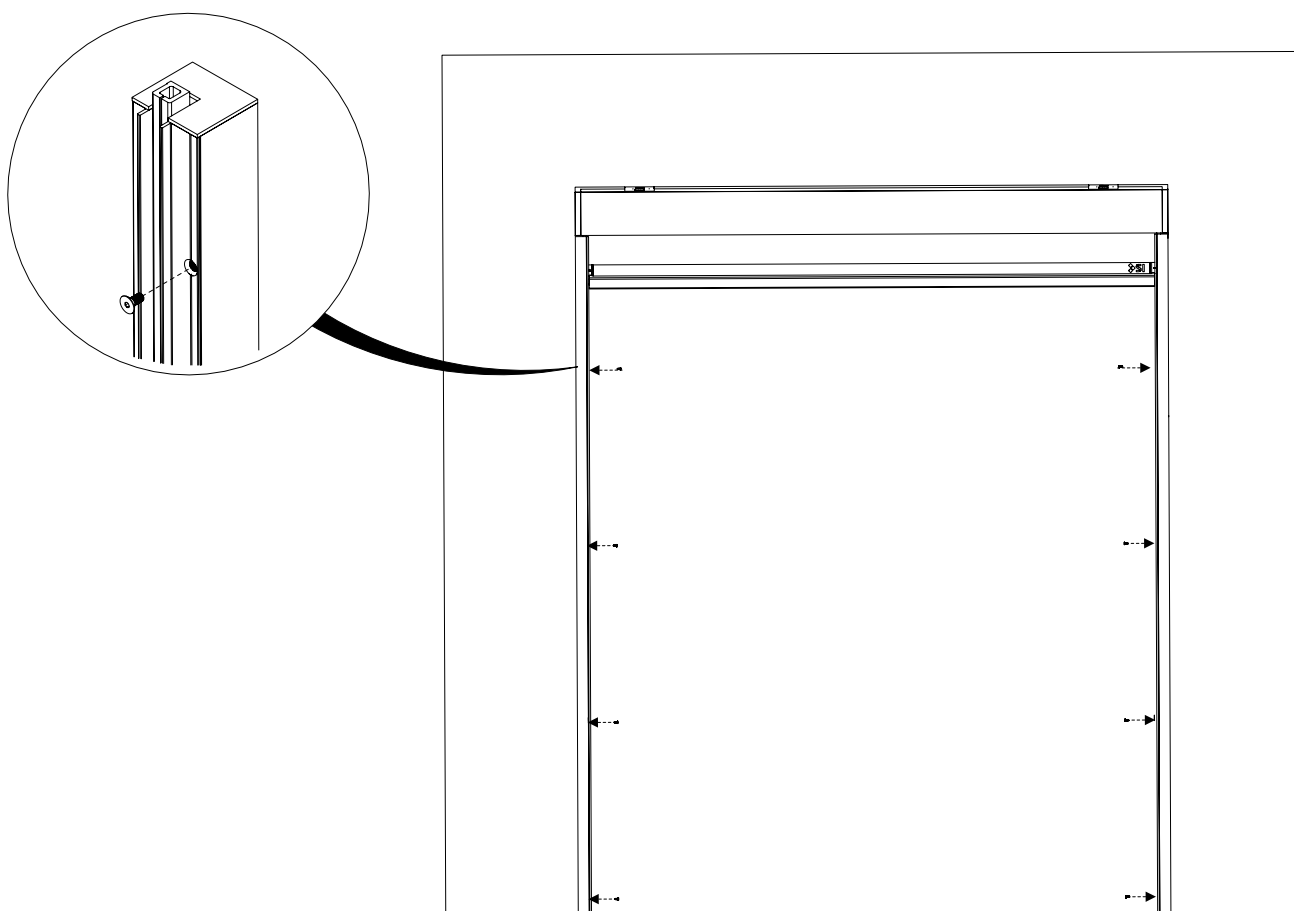
- 4** Angle the top of the zipper track housing and align under material path. Feed the zipper into the top of the zipper track housing and pivot the bottom until it seats with the fixed track.





## INSTALLATION – ZIPPER TRACKS

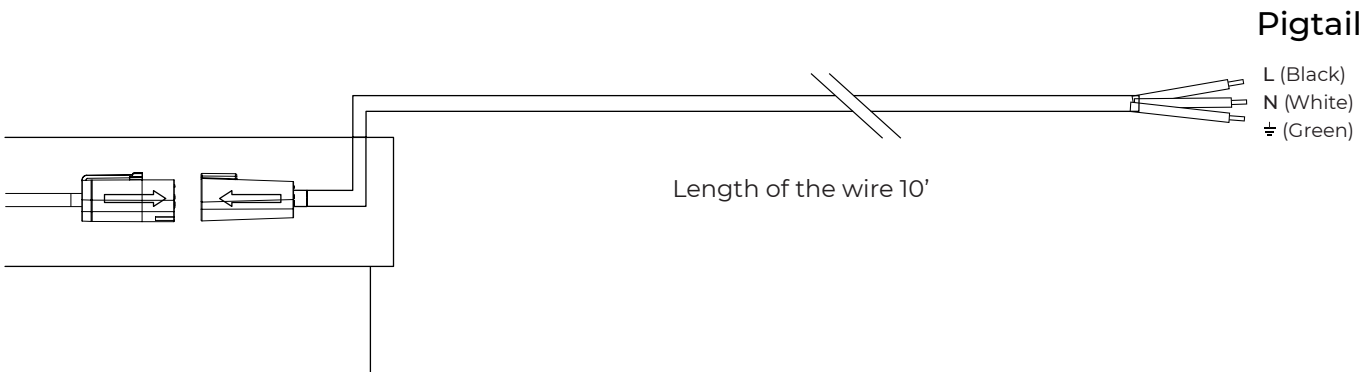
- 5** Secure the zipper track housing to the fixed track with the provided screws.



# LINE VOLTAGE (110v AC/ 60Hz) – WIRING



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



## Adjusting the Limits in User Mode

Your programming remote comes factory set with the limits. To make adjustments to the limits, follow the steps below:

### To change the lower limit:

Send the motor to it's current lower limit.



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



Press until motor jogs.

### 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 upper limit position.



Press until motor jogs.

To reset the limits, add/delete a transmitter or channel, or set a new preferred position, scan the QR code, alternately use the link below, go to the guides tab to access <https://files.screeninnovations.com/Downloads/Programming+Guides/quick-motor-commisioning-guide.pdf>



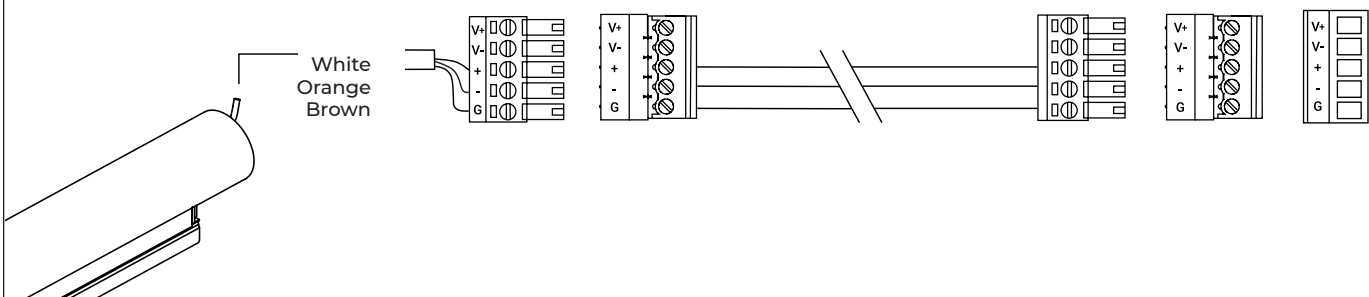
# LINE VOLTAGE (AC – 485 CONTROL) – WIRING

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/Zigbee) 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>



# CONTROLS GUIDE REFERENCE

With your screen 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, Third 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, Third 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, Third 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 [screensupport@screeninnovations.com](mailto:screensupport@screeninnovations.com) or contact the **Screen Innovations Technical Service team at 512.832.6939.**

# NOTES

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