Sivoia QED™ Roller 64™

Installation Instructions

LUTRON
shading solutions by VIMCO™

Sivoia QED™ | Roller 64

Installation Instructions

Tools Required:

- Tape Measure
- Wire Cutter/Stripper
- Pliers
- #2 Phillips Screwdriver
- 1/4” Hex-Head Driver
- Level
- Power Drill

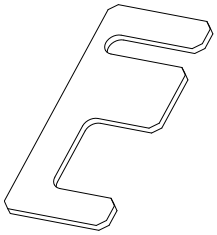
Notes:

1) Complete wiring and programming information can be found in the Sivoia QED Wire and Programming Guide, P/N 045-038 or at www.lutron.com.
2) The Electronic Drive Unit (EDU) will need to be powered to complete installation.

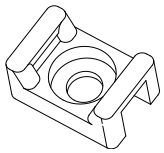
Box Contents:

Sivoia QED™ Roller 64

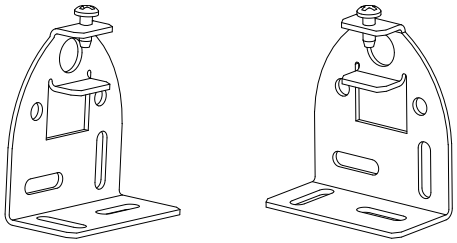
(2) Bracket Leveling Spacer



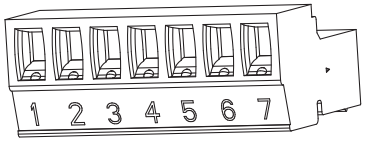
(2) Cable Tie Anchor



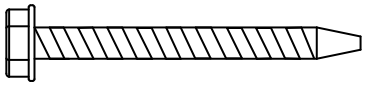
Standard Mounting Brackets with Retaining Screws



(1) 7 Pin Terminal Block



(5) Mounting Screws
(#8x1-3/4" (#8x44mm) Hex Head Screws)

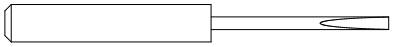


(Actual Size)

(2) 4” (102mm) Cable Ties

(1) Programming Stylus

(1) Screwdriver



Installation Instructions (continued)

Warning: Incorrect installation can lead to severe injury, follow all installation instructions.

Notes:

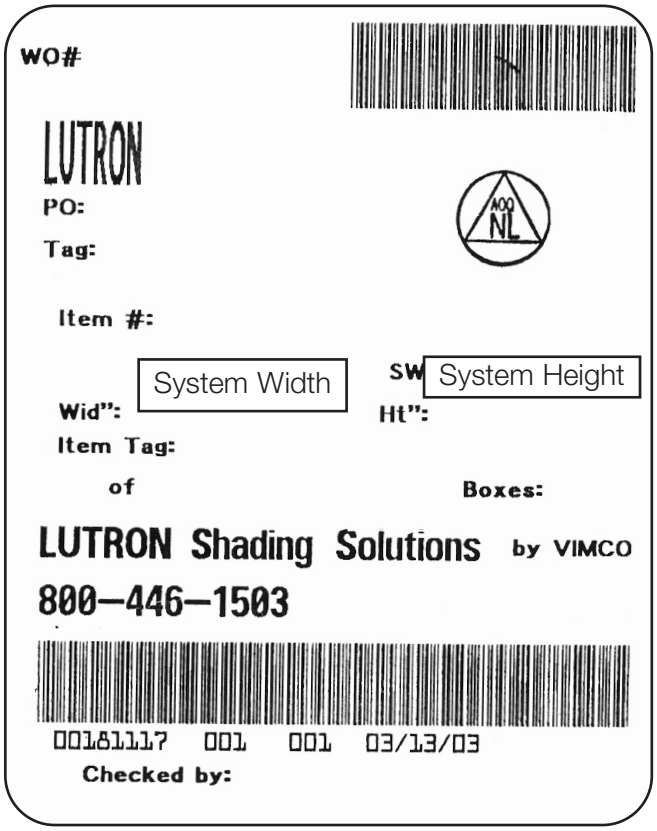
- The Sivoia QED Roller 64 must be used only with window systems approved by Lutron.
- There must be a clearance of at least 1.3 feet (0.4 meters) between the fully lowered system and any permanent object.
- Installation shall be executed by a qualified electrician according to national wiring rules.
- Before shade installation, remove any unnecessary cords and disable any equipment not needed for powered operation. The Sivoia QED Roller 64 has a maximum rated operating time of 8 min.
- The Sivoia QED Roller 64 must be used only with window systems approved by Lutron, and should not be taken appart from the window system.
- **Codes:** Install in accordance with all local and national electrical codes.
- **Environment:** Ambient operating temperature: 0-40°C, 32-104°F, 0-90% humidity, non-condensing. Indoor use only.

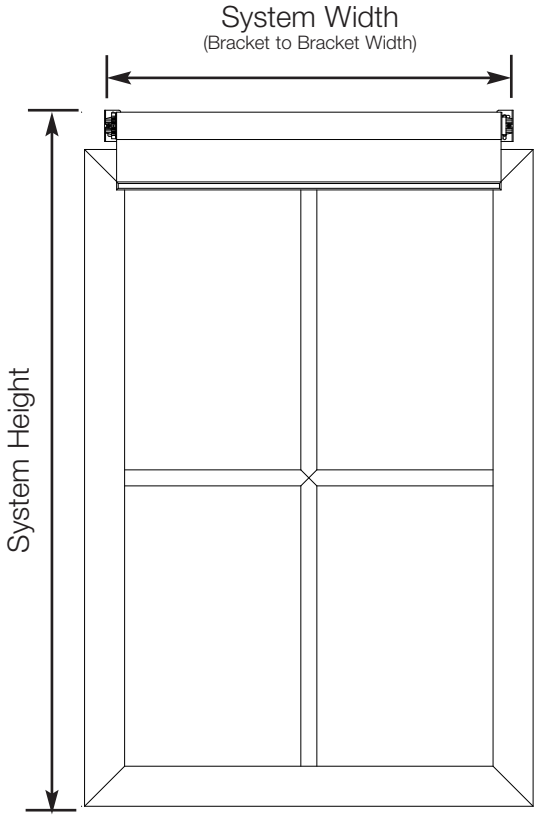
1 Confirm System Dimensions

1.1

Compare system dimensions on the package label with the window dimensions to verify appropriate window/shade combination.

Package Label





2 Position the Mounting Brackets

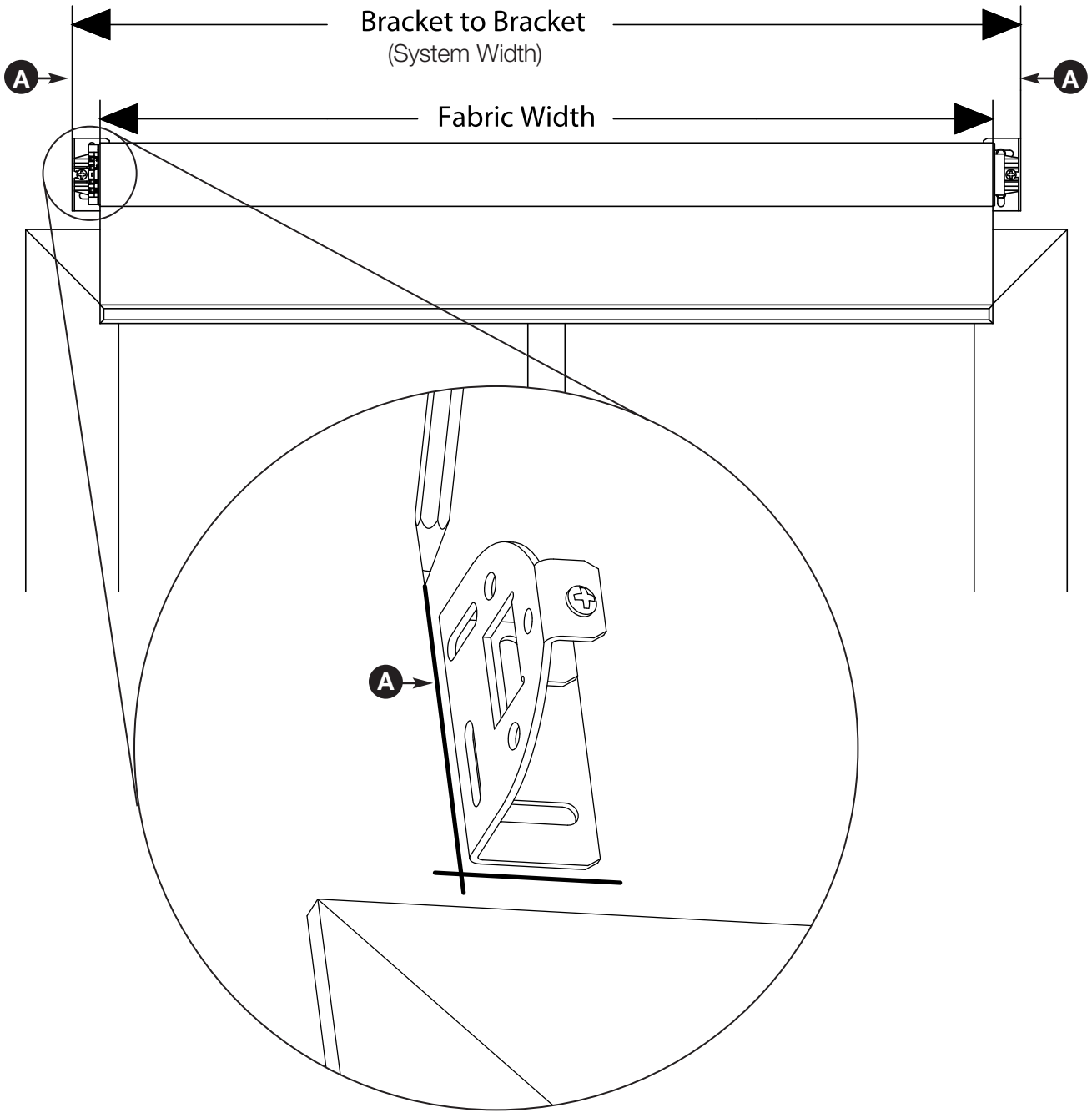
2.1

Mark the location of the mounting brackets so that they are centered over the window.

Note: Bracket to Bracket distance = Fabric Width + 1.5” (38 mm) = System Width.

Note: For ceiling and jamb mount, allow clearance to prevent fabric from rubbing against trim, window, top treatment, etc.

Note: Wall mount may require blocks (not provided) to clear trim.



3 Install the Mounting Brackets

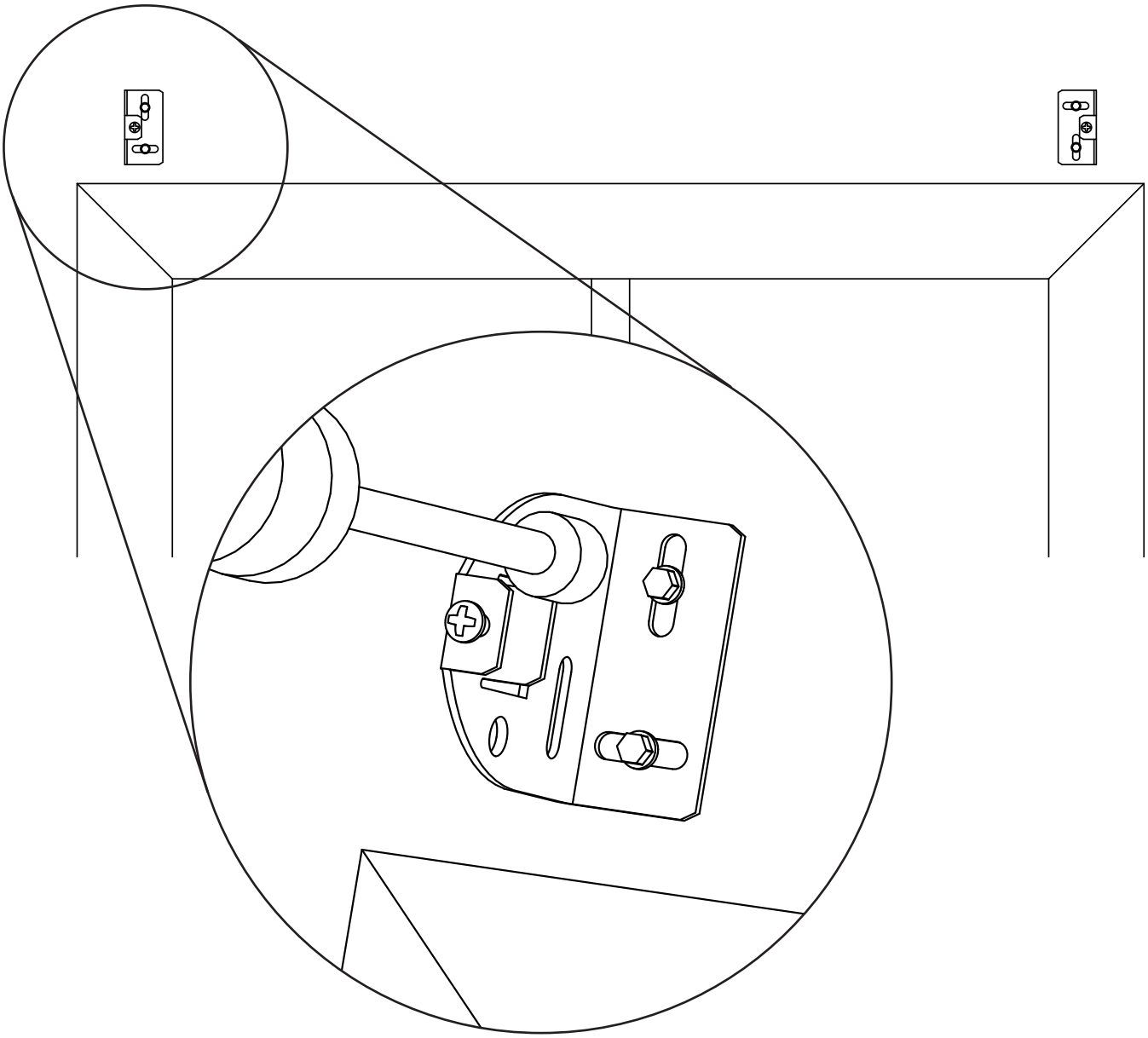
3.1

Install the first mounting bracket.

3.2

Install the second mounting bracket.

Note: Put a screw in the center of each slot. Use slots as needed to ensure brackets are level and plumb as positioned.



4 Pre-drill for Cable Run

DANGER - Locate and lock breaker to the shade power supply in the OFF position or unplug the power plug-in transformer before doing any wiring.

4.1 Wall Mount

Choose one of the options below to drill for cable access.

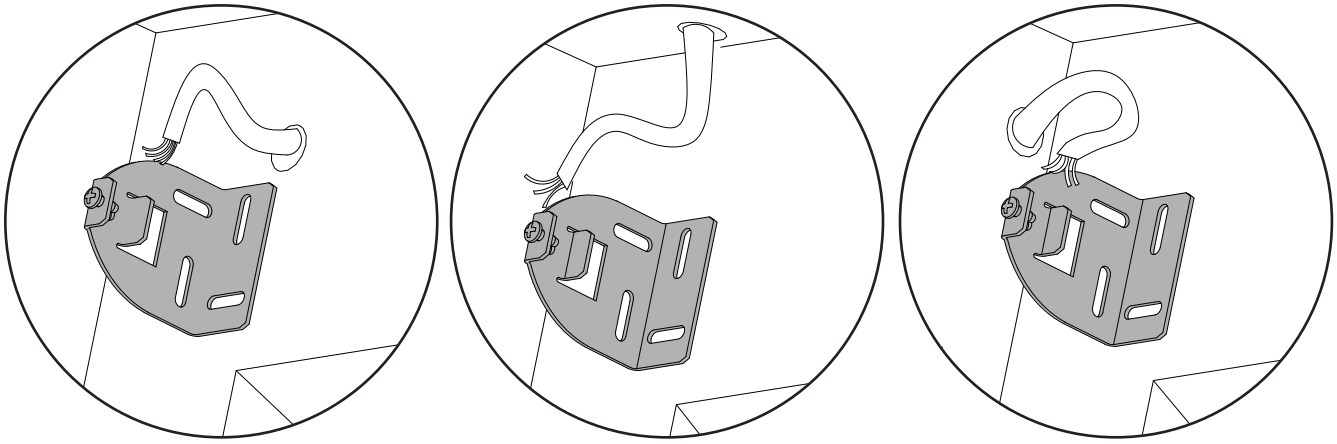
Note: Cable should exit from wall, ceiling, or jamb on EDU side of system.

Note: Leave 12-18" (30-45 cm) of cable exposed.

Wall Mount with wires through:

A) Wall: 1" in from end of system and .5" from top of bracket
B) Ceiling: .5" in from end of system and .5" from mounting wall
C) Jamb: 1" from top of bracket and .5" from mounting wall

Wall Mount



A **B** **C**

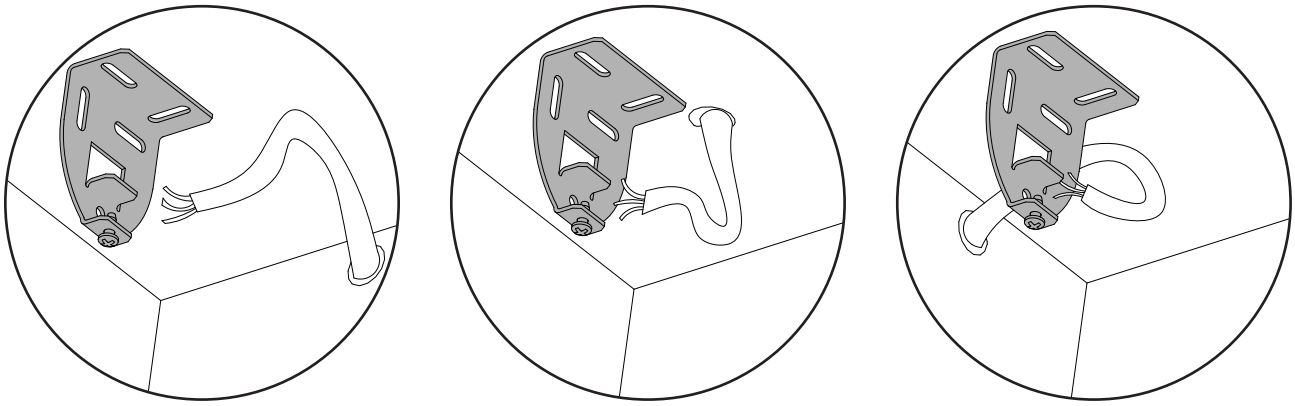
4 Pre-drill for Cable Run: (continued)

4.2 Ceiling Mount

Ceiling Mount with wires through:

A) Wall: 1” in from end of system and .5” from ceiling
B) Ceiling: 1” in from end of system and .5” from back of bracket
C) Jamb: 1” from back of bracket and .5” from ceiling

Ceiling Mount



A **B** **C**

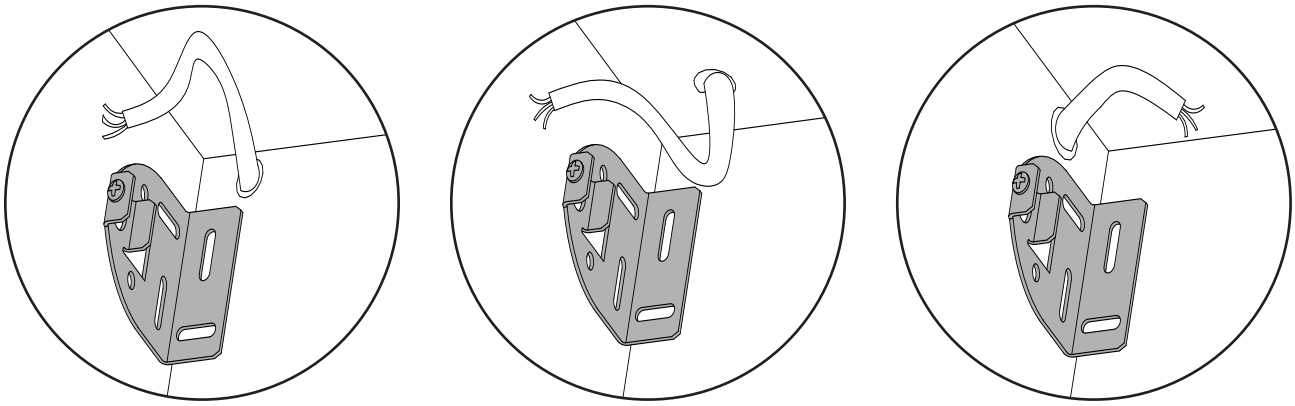
4 Pre-drill for Cable Run: (continued)

4.3 Jamb Mount

Jamb Mount with wires through:

A) Wall: .5” from ceiling and .5” from outside of jamb
B) Ceiling: .5” from wall and .5” from outside of jamb
C) Jamb: .5” from ceiling and .5” from wall

Jamb Mount

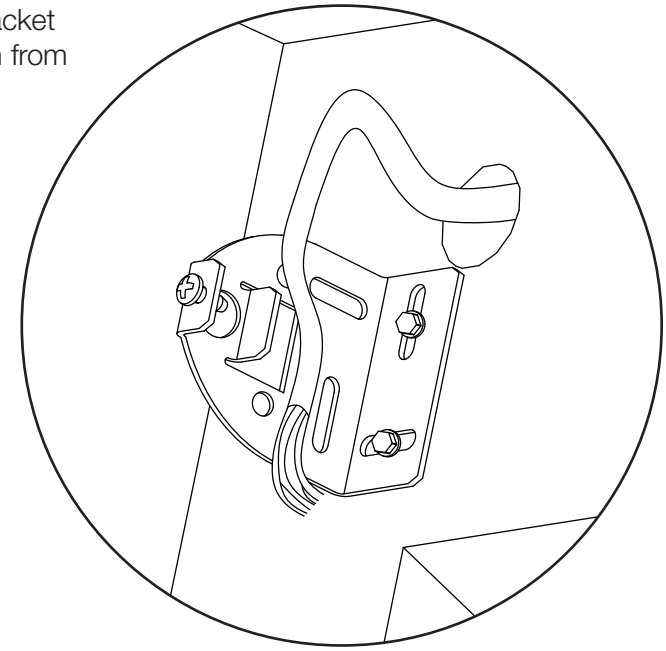


A **B** **C**

5 Wire 7-Pin Terminal Block

5.1

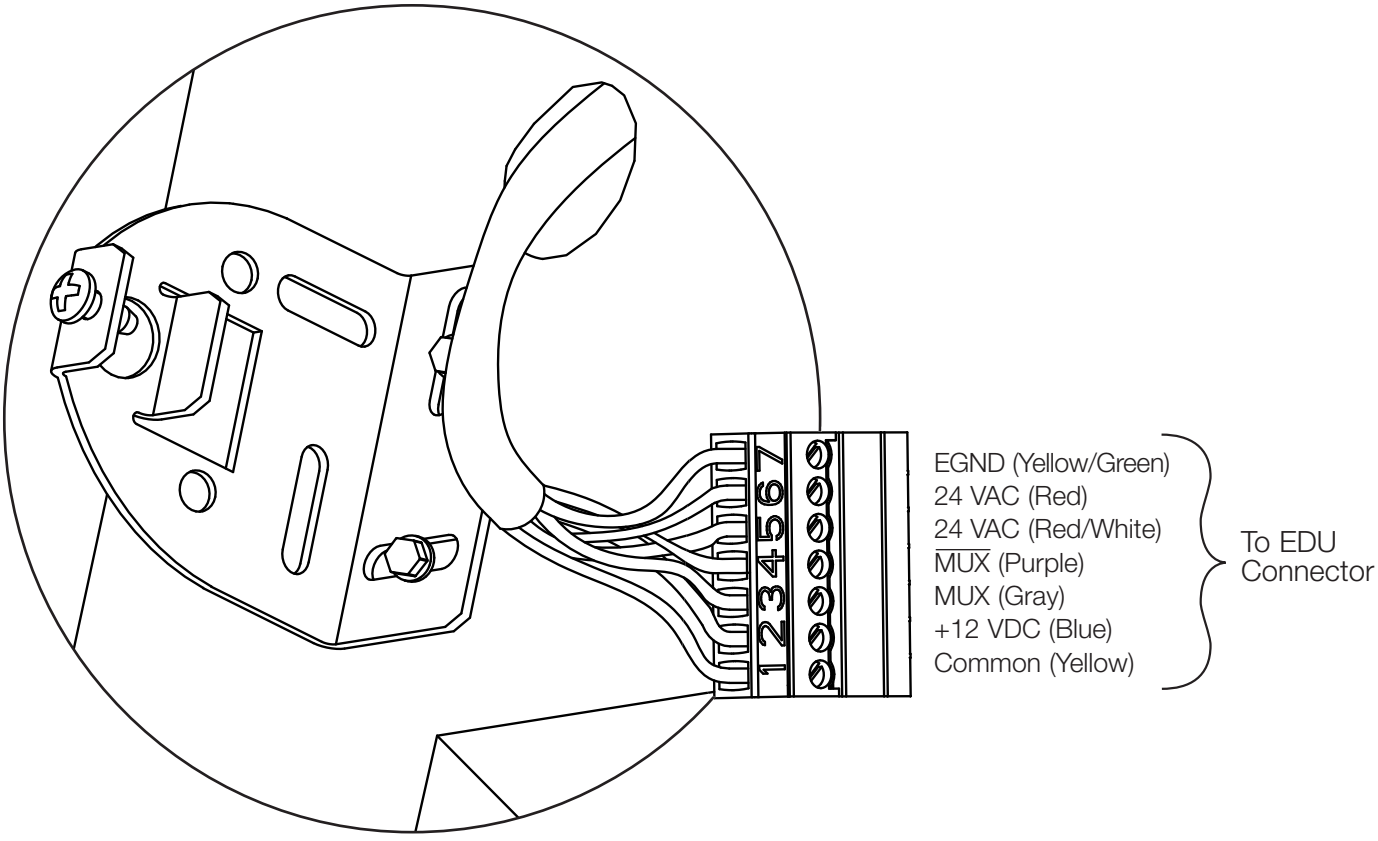
Strip 2” of jacket off cable run from the wall.



5.2

Wire 7-Pin terminal block (provided) to cable using the included screwdriver.

Note: SVQ-CBL-250 shown.



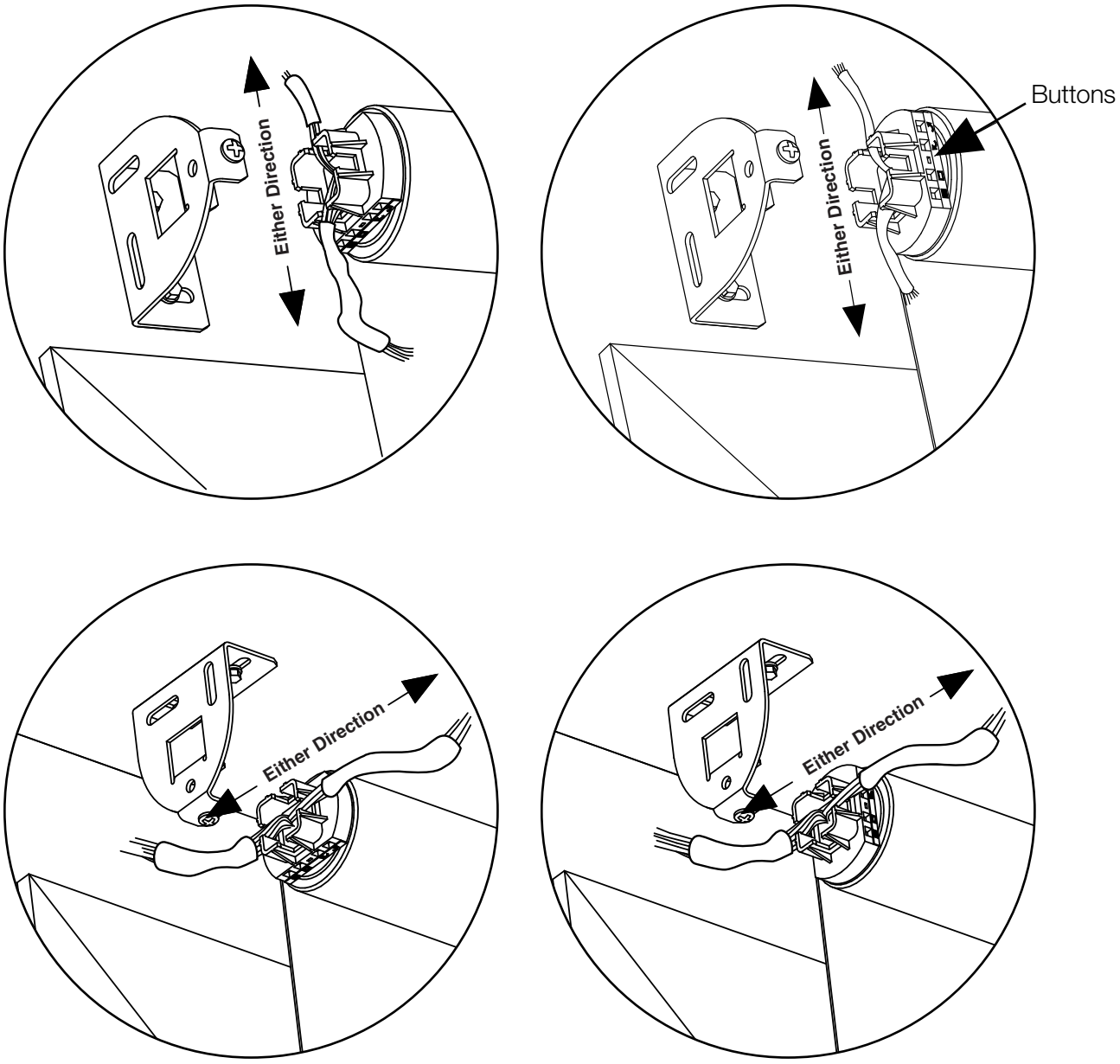
6 Orient the Buttons and Wiring

6.1

For the following bracket and button orientations, route the wires as shown.

Note: The buttons should be accessible when the shade is installed

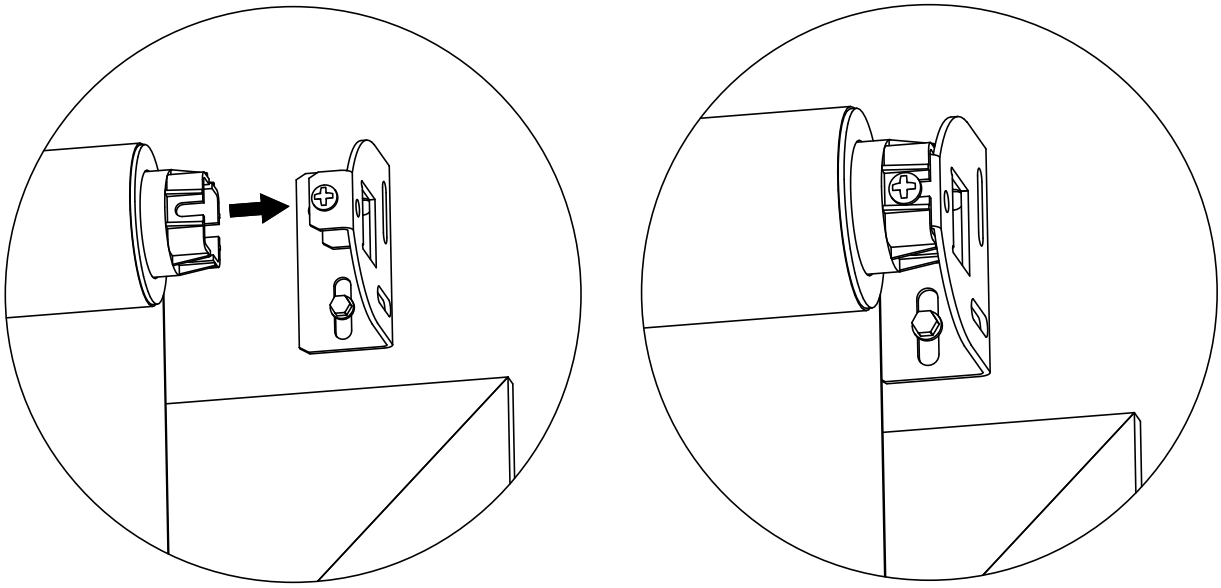
Note: The wires may go in either or both of the indicated slots



7 Mount the Shade

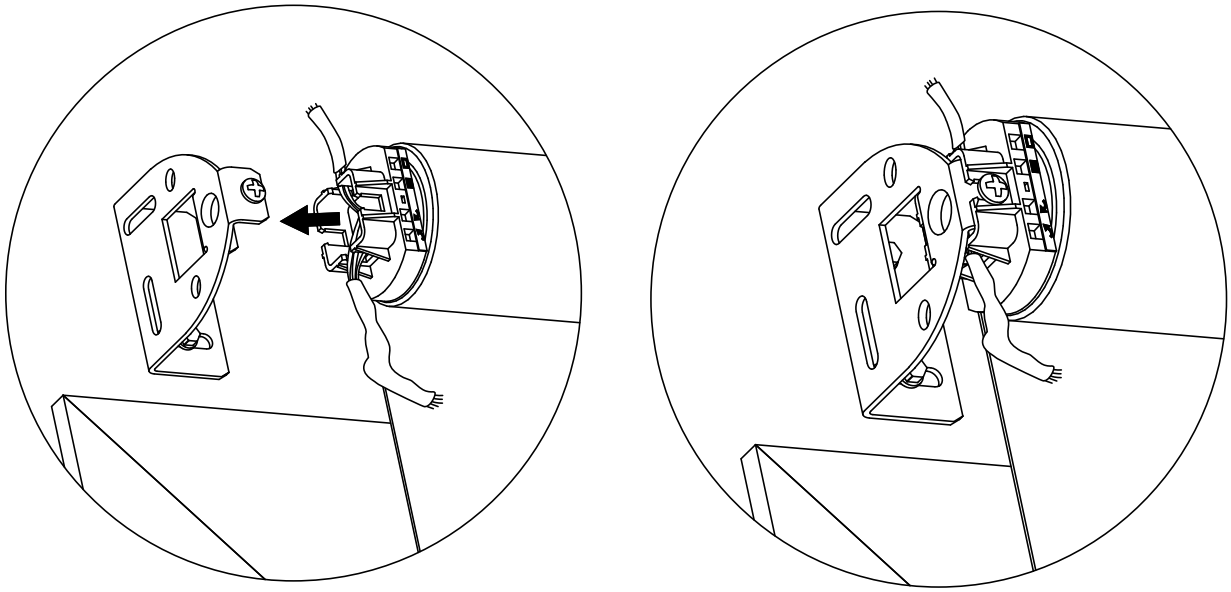
7.1

Install the idler side of the shade onto its bracket.



7.2

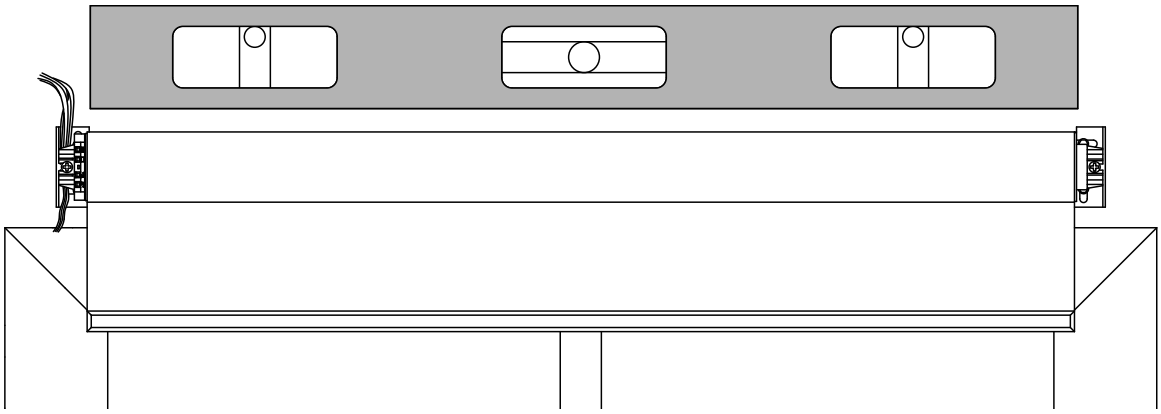
Depress the spring loaded idler by pressing the shade towards the idler, and install the EDU side of the shade onto its bracket.



8 Adjust the Shade

8.1

Ensure that the shade is level and centered.



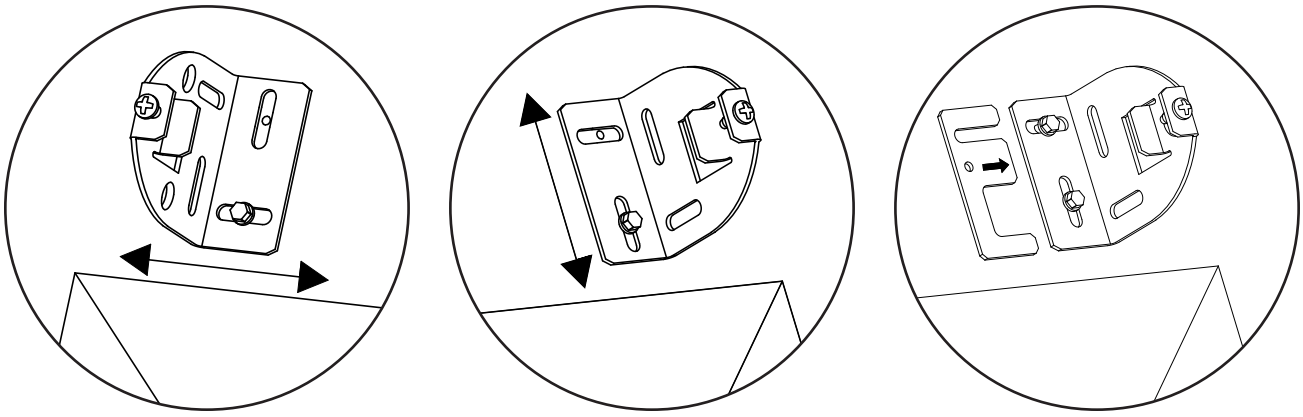
8.2

Adjust shade by removing the necessary screws and moving the brackets as needed, or installing bracket leveling spacers.

Note: You may have to remove the shade to access the bracket screws.

8.3

Reinstall and tighten the screws.



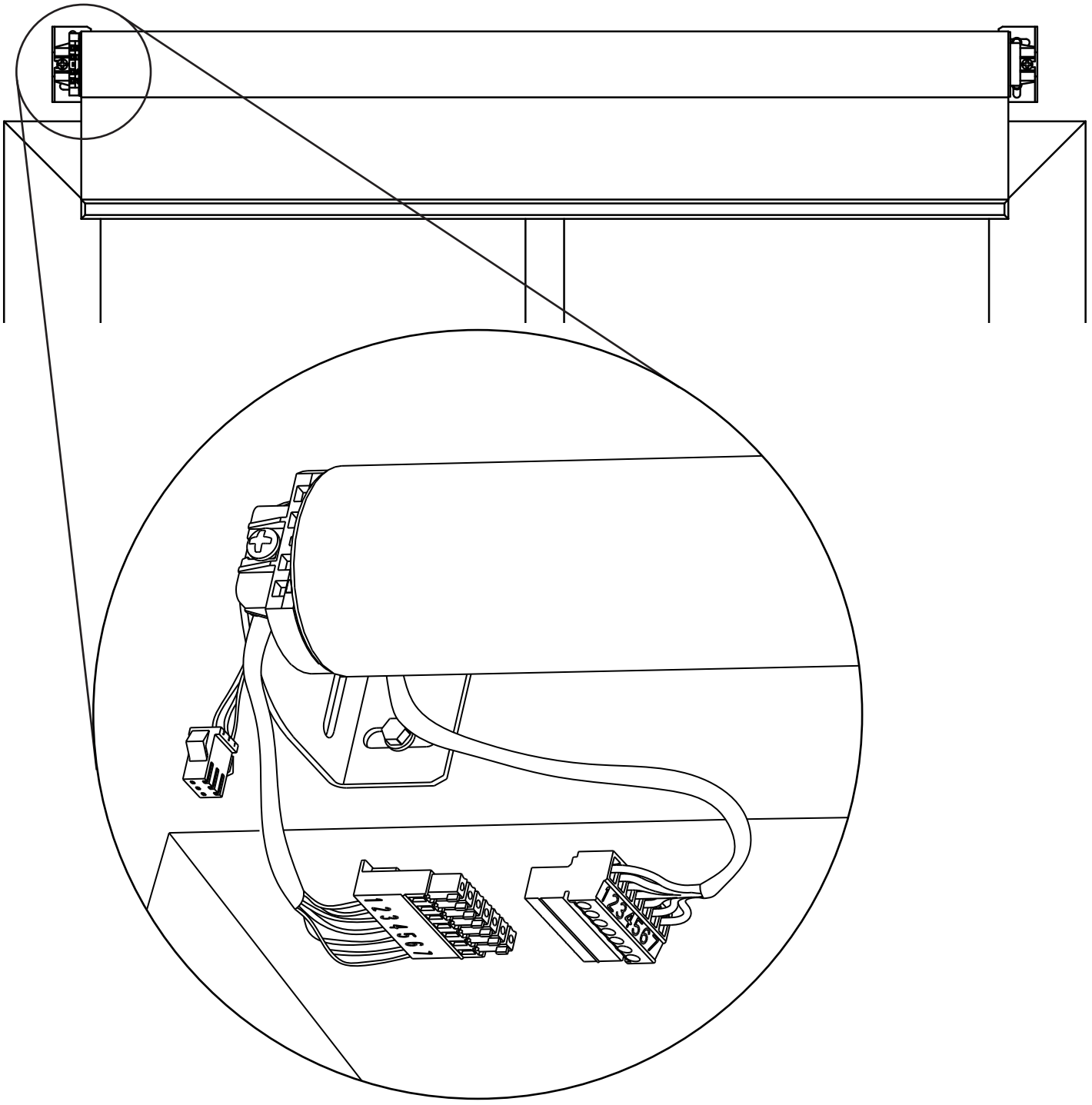
9 Connect Terminal Blocks

9.1

Plug 7-pin terminal block on cable into EDU terminal block attached to shade bracket (a cable tie can be used to secure the terminal blocks together).

9.2

Dress wires to ensure fabric does not rub while the shade is moving.



10 IR Receiver Connection (if applicable)

10.1

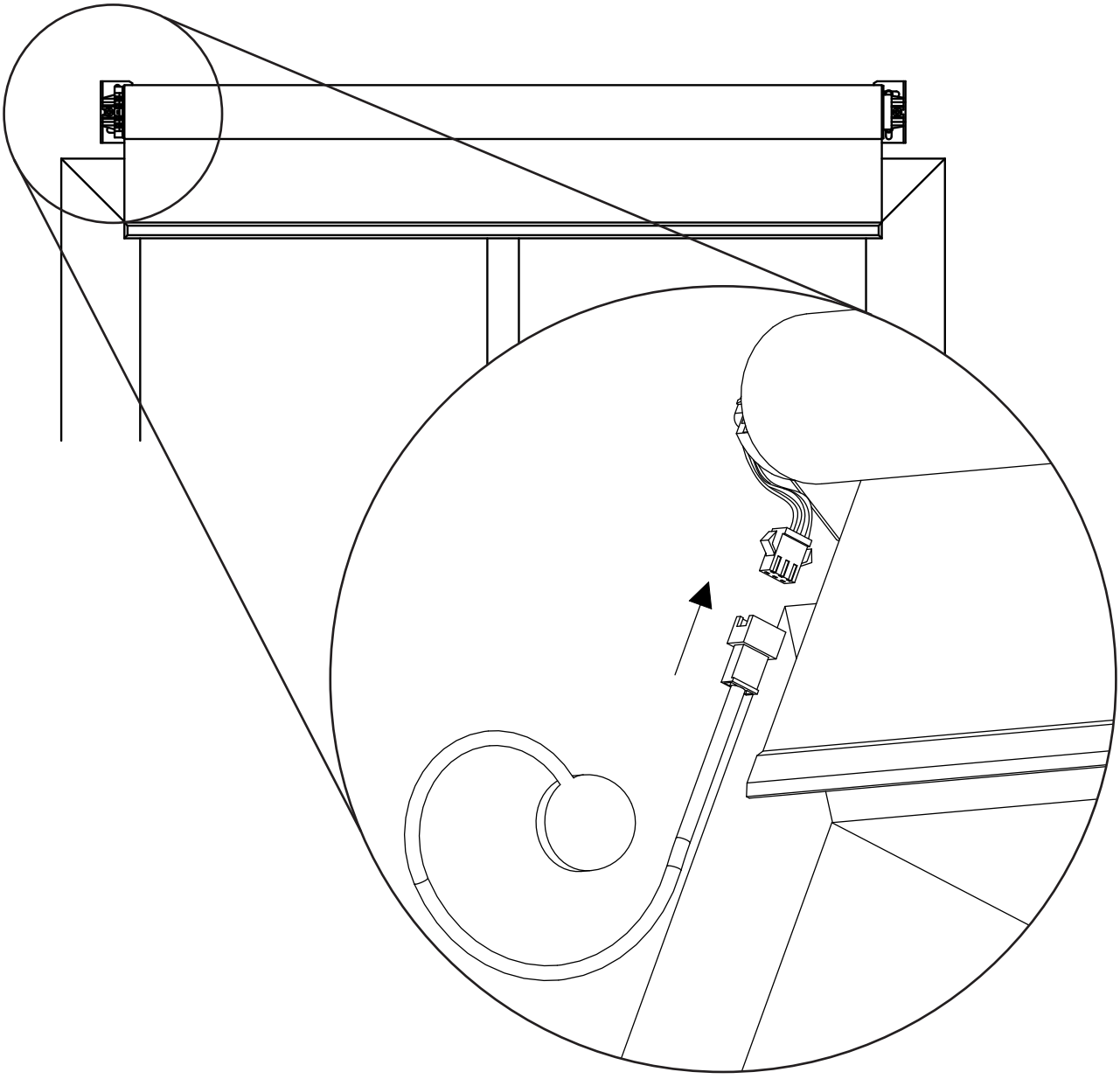
Plug in the IR receiver.

10.2

Position the IR receiver.

Note: The IR receiver should be mounted such that it is in line-of-sight with the remote control and that it does not interfere with the shade.

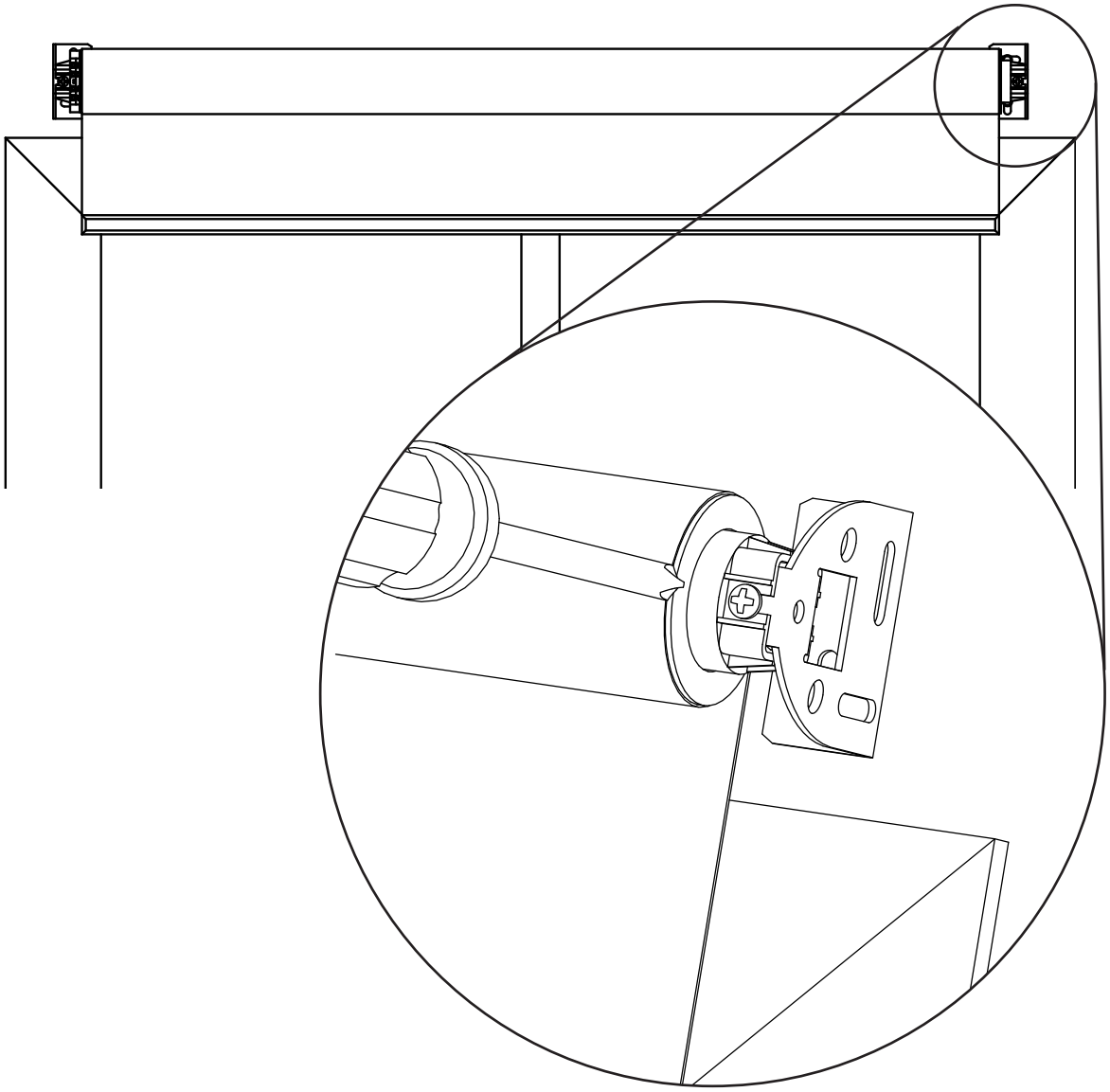
Note: Dress wires to ensure the fabric does not rub while the shade is moving.



11 Secure and Check the Shade

11.1

Tighten retaining screws in each bracket to secure the shade.

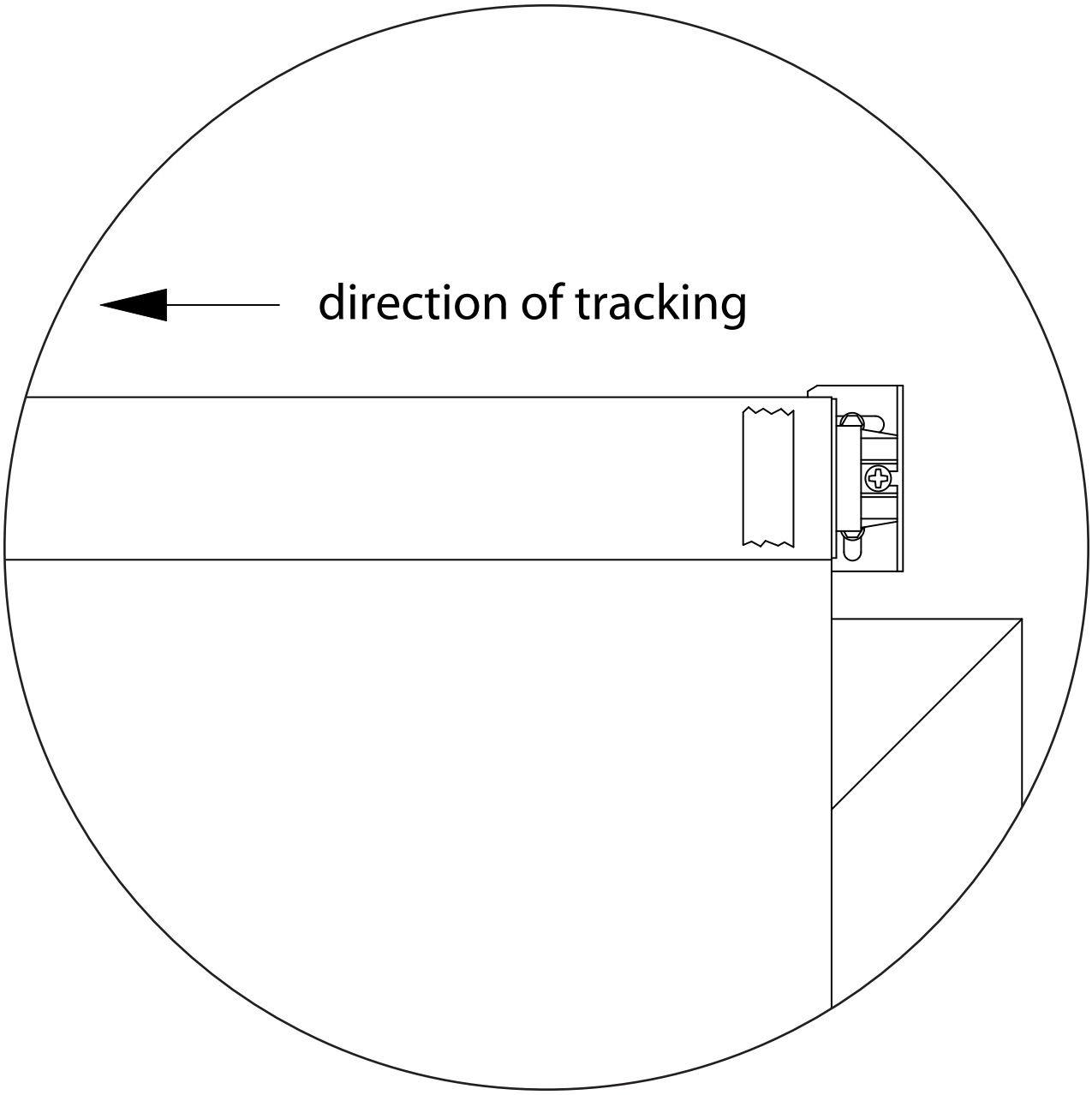


11.2 Secure and Check the Shade (continued)

Reconnect power to the shade power supply.
Use the programming stylus to run the shade up and down using the adjustment buttons ( ), re-level if needed.

Observe: Pay careful attention to the shade roll up to ensure that it does not telescope extremely to one side or the other.

Tip: Slight telescoping is normal. However, if the shade is telescoping severely to one side and it is level, press the “Close Limit Button” ( ), and lower the shade all the way down using the adjustment buttons ( ). Place a piece of tape on the side of the tube that the fabric is telescoping away from when finished press the “Close Limit Button” ( ) once. This technique is referred to as “SHIMMING”. The shade will always track towards the side that the tape (shim) is placed on.



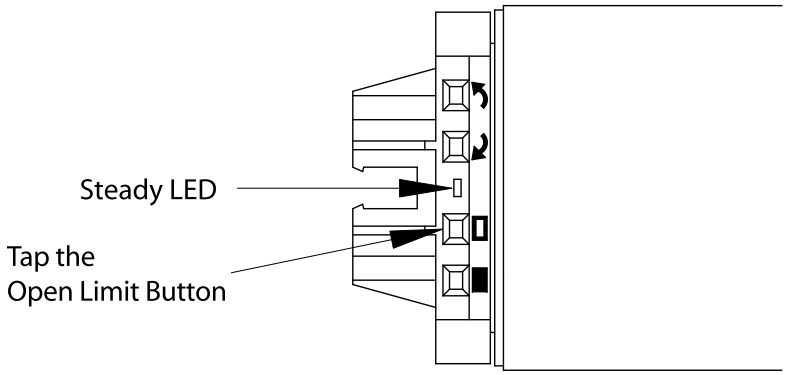
12 Setting Limits from the EDU

Setting the Open Limit from the EDU

Note: Setting the Open Limit lower than the Close Limit will cause the shade to move down when raise is pressed and up when lower is pressed.

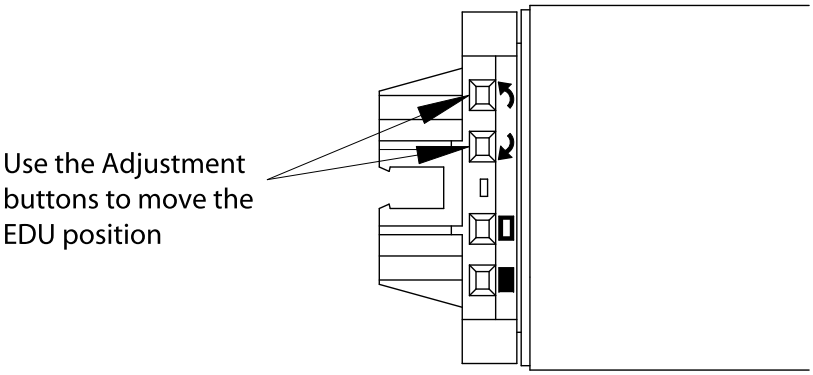
12.1

Tap the “Open Limit Button” (▯), the green LED on the roller shade EDU will turn on steady, indicating that the EDU is in “Set Open Limit Mode.”



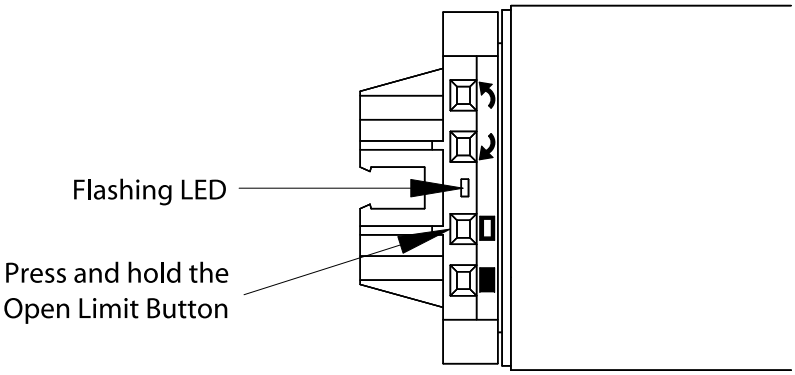
12.2

Adjust the position of the EDU to the desired Open Limit using the adjustment buttons (↰↱).



12.3

Press and hold the “Open Limit Button” (▯) for 5 seconds. The green LED on the roller shade EDU will flash for 2 seconds, then go dark, indicating that the current position has been stored as the Open Limit.

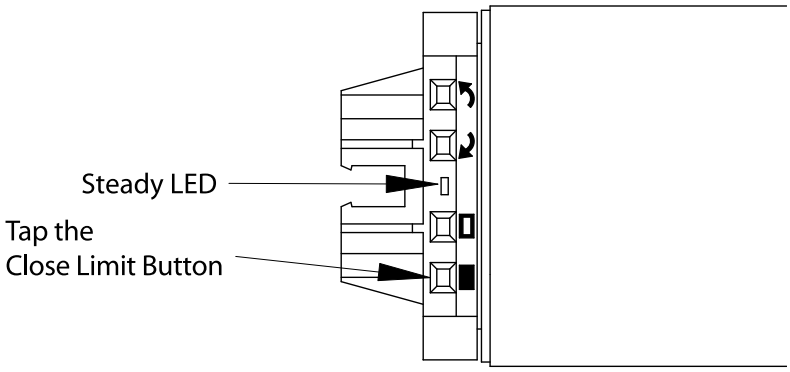


12 Setting Limits from the EDU (continued)

Setting the Close Limit from the EDU

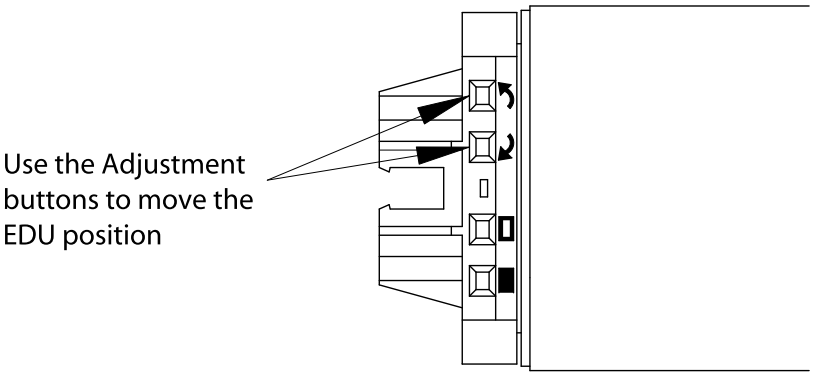
12.4

Tap the “Close Limit Button” (▮). The green LED on the roller Shade EDU will turn on steady, indicating that the EDU is in “Set Close Limit Mode”.



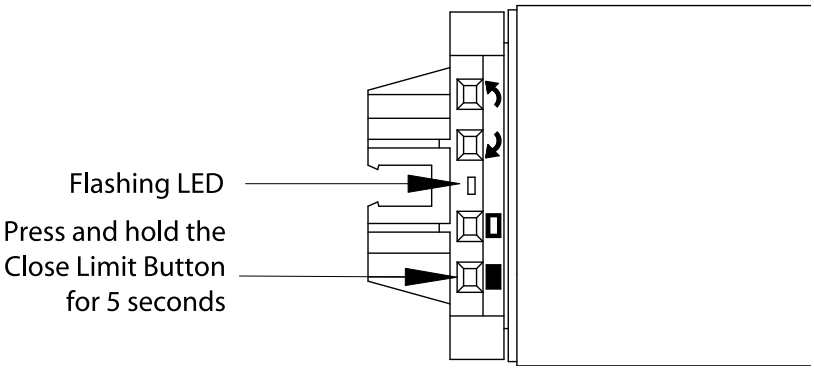
12.5

Adjust the position of the EDU to the desired Close Limit using the adjustment buttons (↰↳).



12.6

Press and hold the “Close Limit Button” (▮) for 5 seconds. The green LED on the roller shade EDU will flash for 2 seconds, then go dark, indicating that the current position has been stored as the Close Limit.



13 Finish System Programming

The Sivoia QED shade is now installed, wired, and the OPEN/CLOSE limits for each shade have been set.

The next step is to finish programming the system.

Use the instructions in the **Wiring and Programming Guide** (p/n 045-038) or the **Technical Reference Guide** (p/n 367-592) and perform these four easy steps:

1. **Address the system.** This gives each EDU, keypad and contact closure interface in the system a unique address number or “name”, allowing proper communication between components.

2. **Verify wiring** of each EDU, keypad and interface using the LED feedback from each system component during addressing.

3. **Assign shades** (EDUs) to keypads, IR hand controls and/or contact closure interfaces. Tell the system which shades (EDUs) respond to which keypads, IR hand controls and contact closure interfaces.

4. **Set and save PRESET shade positions** if you desire them to be different from the factory defaults.

Note: Before addressing, all keypads will operate all shades. This can be used to verify proper wiring and communication.

14 Troubleshooting

Symptom	Solution
Shade will not move...	...EDU is not powered - check EDU Power. ...Shade is caught on something - free shade. ...Shade is not assigned to keypad, IR, or CCI.
Shade does not fully open or fully close...	...Limits have been set incorrectly - refer to “set open limit” and “set close limit” sections. ...Shade fabric is caught on something - free shade.
Fabric not level...	...Check that brackets are mounted level. ...Check that fabric is tracking correctly on the shade tube.
Fabric not centered over window...	...Check that brackets are centered.
Shade does not move smoothly...	...Check for binding of shade fabric on side channels. ...Check fabric tracking.
IR controls will not operate shade....	...IR transmitter does not have line-of-sight to IR receiver. ...Out of range - move to within 40 feet (12m) of IR receiver. ...EDUs not assigned to IR receiver. ...IR receiver not plugged into any EDU within range. ...IR remote control batteries are not providing power, replace them.

Notes:

Notes:

Technical Assistance

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Limited Warranty

Lutron offers an 8-year limited warranty for our shading systems. Please contact customer service or visit our website for a complete warranty statement.

Lutron reserves the right to make improvements or changes to these products without prior notice. Although every attempt is made to ensure that this information is accurate and up to date, please check with Lutron to confirm product availability, the latest specifications, and suitability for your application.

These products may be covered by one or more of the following US patents:

6,983,783

and corresponding foreign patents.
US and foreign patents pending.

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P/N 045-107 REV. B

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