

Sivoia QED™

Installation
Instructions

**Ceiling Mount
Roller Shade**

Note: If installing a coupled system,
use In-Line Coupled Roller
Shade Addendum as the
primary installation guide.

 **LUTRON**
Sivoia QED™ technology

Sivoia QED™ | ceiling mount roller shade

Installation Instructions

Tools Required:

Tape Measure
Wire Cutter/Stripper
Pliers
#2 Phillips Screwdriver

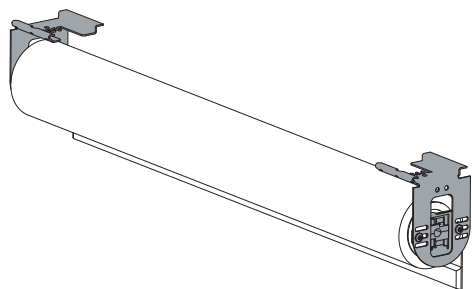
1/4" Hex-Head Driver
Level
Power Drill

Notes:

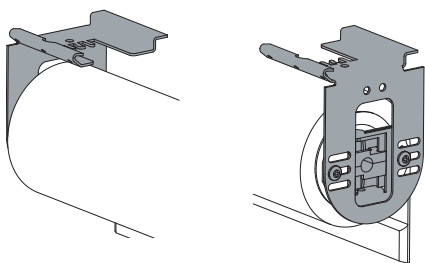
- 1) For In-Line Coupled Shade Systems, begin with Sivoia QED In-Line Coupled Roller Shade Addendum, P/N 045-048. The Addendum will indicate when to use this document.
- 2) Complete wiring and programming information can be found in the Sivoia QED Wire and Programming Guide, P/N 045-038 or at www.lutron.com.
- 3) The Electronic Drive Unit (EDU) will need to be powered to complete installation.

Box Contents:

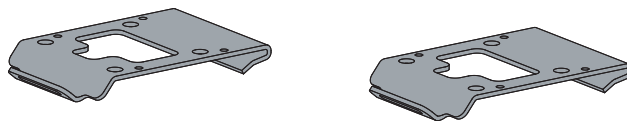
Sivoia QED Roller Shade



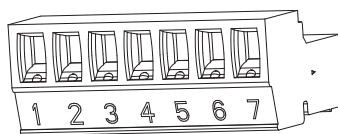
Left and Right Side Bracket (attached)



(2) Ceiling Sub-Brackets



(1) 7 Pin Terminal Block

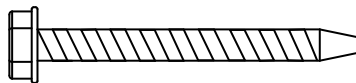


(2) Extra Retaining Screws
(#6x1/4" (#6x6mm) Phillips Head Screws)



(Actual Size)

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

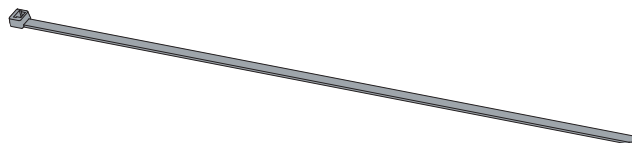


(Actual Size)

(2) 4" (102mm) Cable Ties



(2) 7" (178mm) Cable Ties




1

Match Shade to Window


1.1

Confirm system dimensions on package label and window dimensions to verify appropriate window/shade combination.

Package Label

WO# 

LUTRON

PO: 

Tag:


Item #:

System Width sw System Height

Wid": Ht":

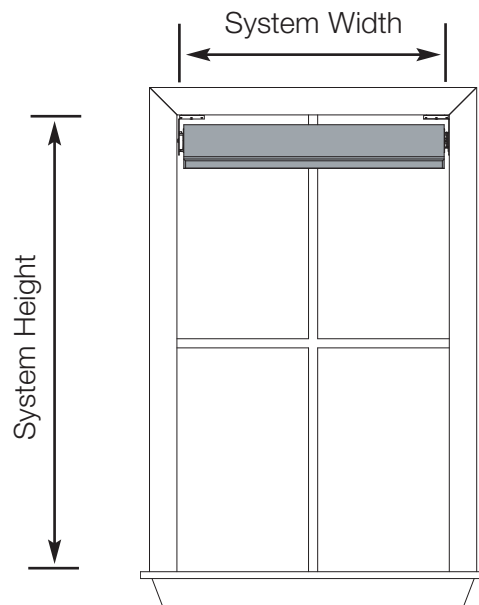
Item Tag:

of Boxes:



00181117 001 001 03/13/03

Checked by:



2

Pre-drill for Cable

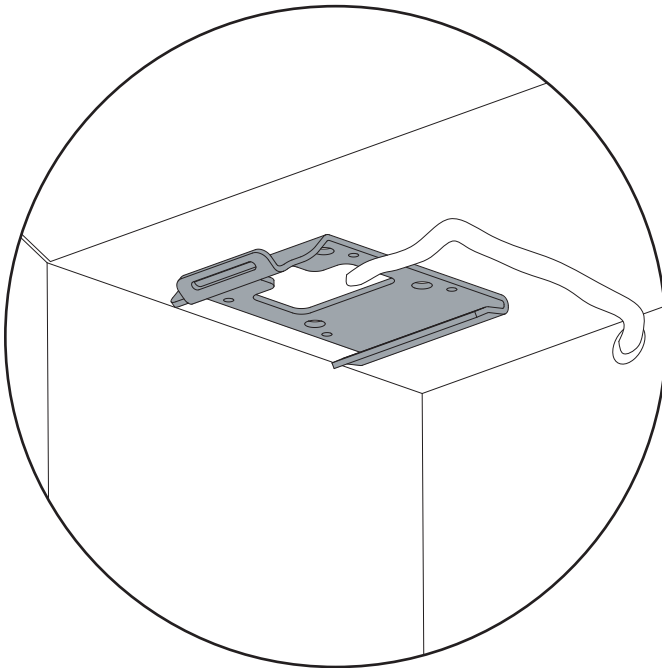
2.1

Determine where to drill for cable access. See options below.

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

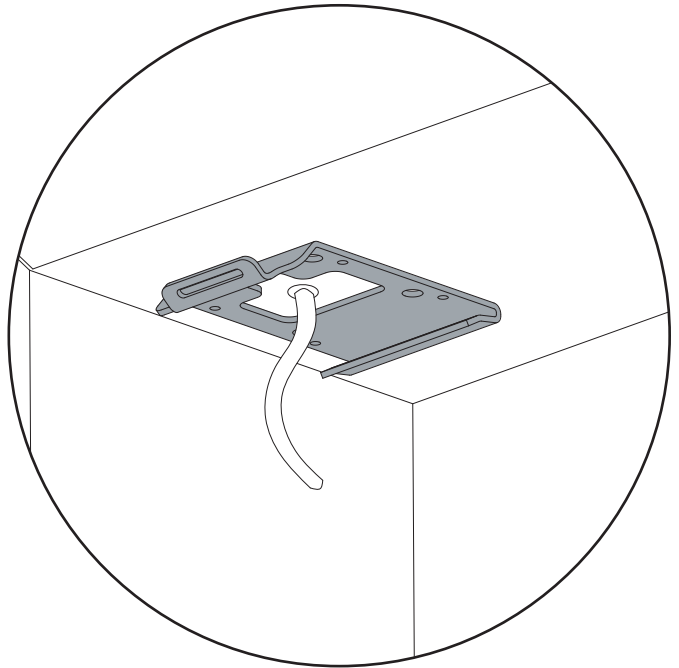
Note: Leave 12-18" (305-457mm) of cable exposed.

Wall



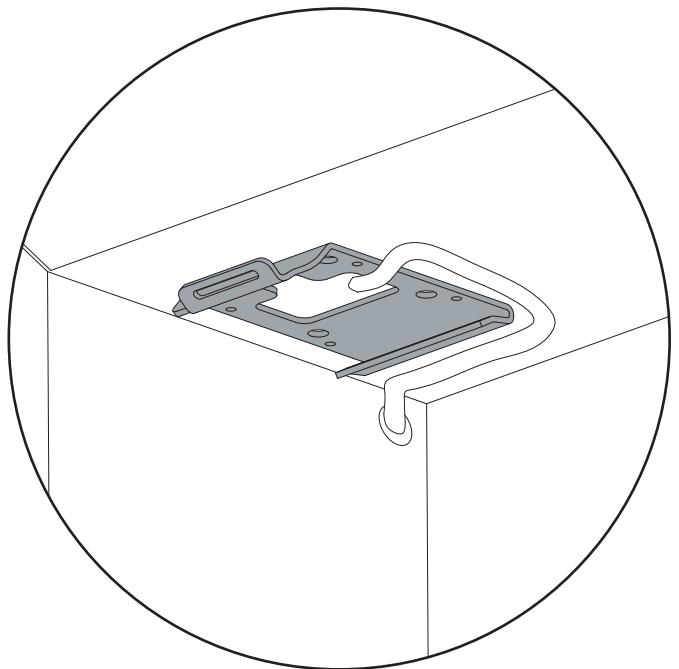
Wall
Drill for cable 3 1/4" (83mm) from end of system and 1/2" (13mm) from top of system.

Ceiling



Ceiling
Drill for cable 1 1/4" - 2" (32-51mm) from end of system and 1 1/4" - 1 3/4" (32-45mm) from back of sub-bracket.

Jamb



Jamb
Drill for cable 1/2" (13mm) from top of system and 3/4" (19mm) behind back of sub-bracket.

3

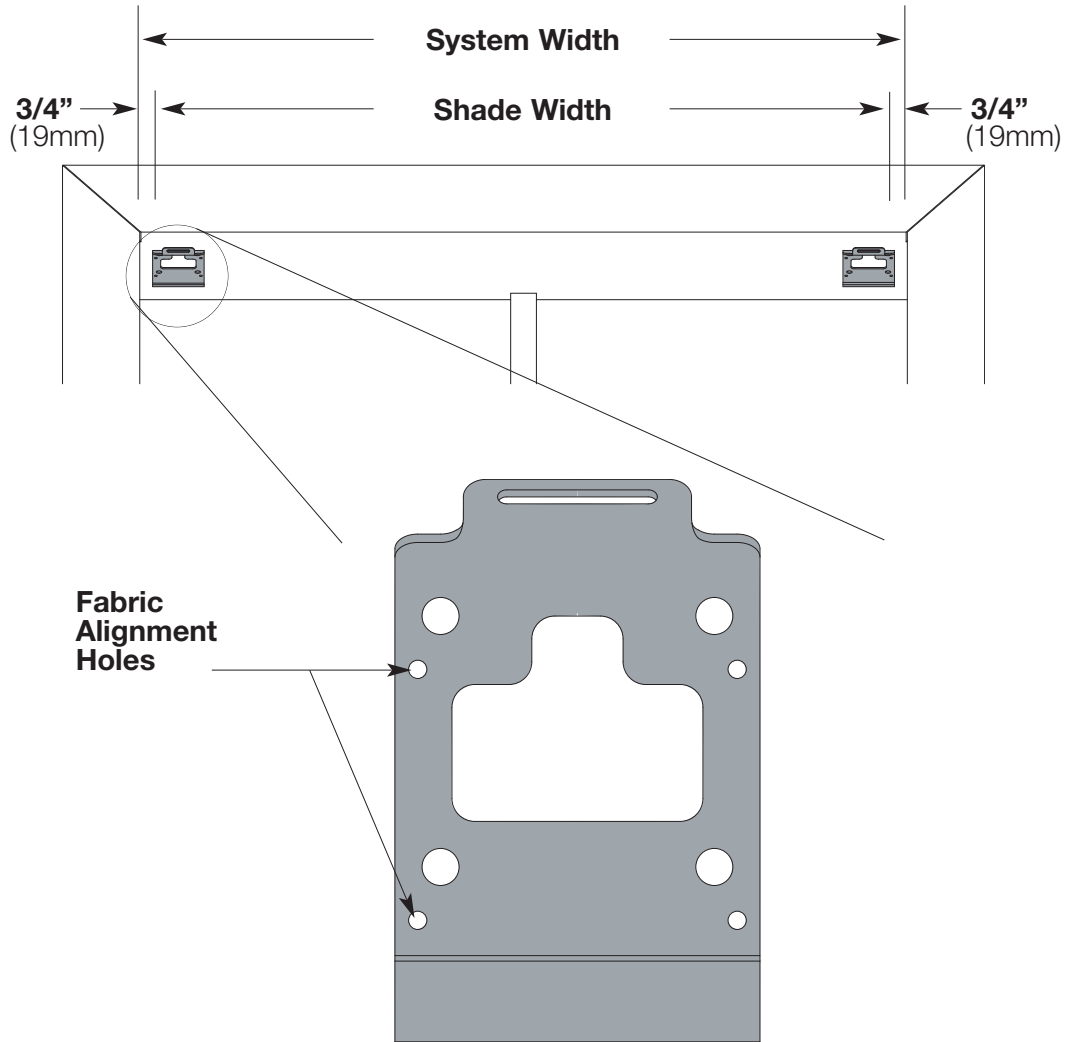
Mount Sub-Brackets

3.1

Use fabric alignment holes to position the sub-bracket right to left. The fabric alignment holes will line up with the outside edge of the shade tube.

Note: Distance between fabric edge and end of system is 3/4" (19mm) per side.

Note: Fabric edge may not line up with edge of tube.



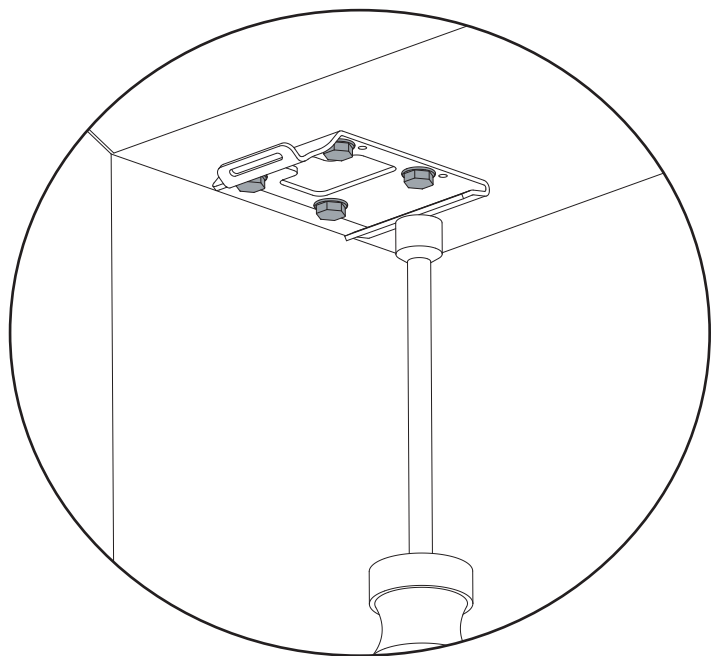
3.2

Once their position has been established, mount sub-brackets using appropriate fasteners.



WARNING:

The sub-brackets for each shade tube should be mounted to support a weight of at least 300 pounds (136kg). The fasteners provided with the sub-brackets may not be appropriate for use in all applications.



4 Wire 7-Pin Terminal Block

4.1

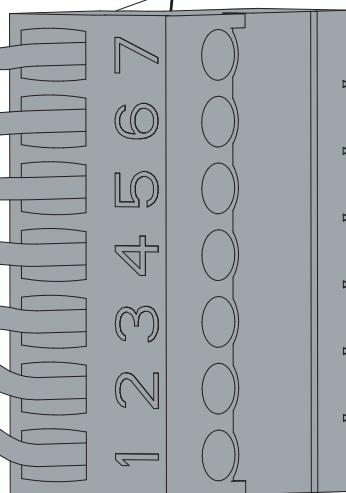
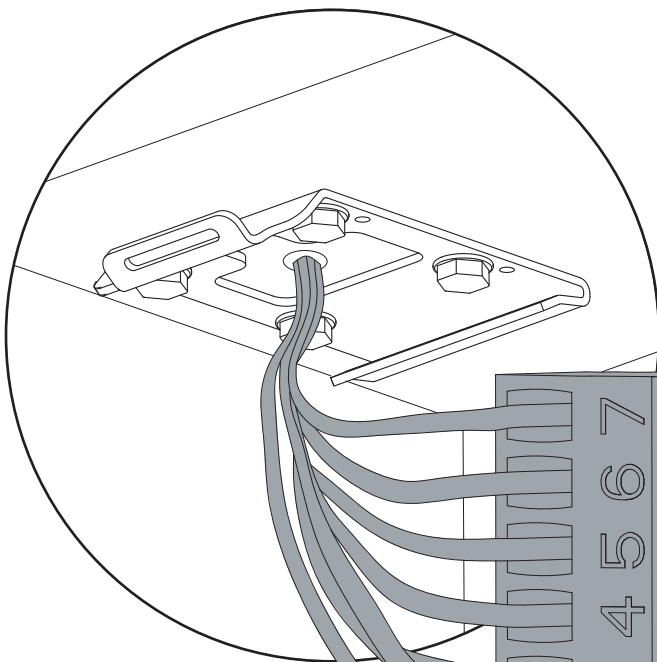
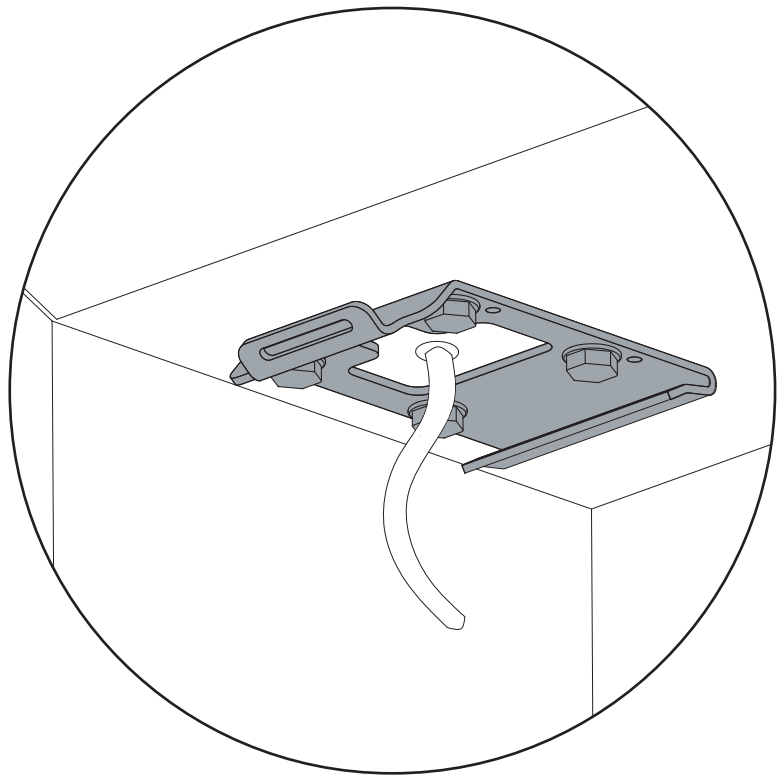
Strip jacket off entire length of exposed cable. 12-18" (305-457mm)

Note: If cable exits from jamb leave 2-3" (51-76mm) of jacket on cable.

4.2

Wire 7-Pin terminal block (provided) to cable.

Note: SVQ-CBL-250 shown



EGND (Yellow/Green)

24 VAC (Red)

24 VAC (Red/White)

$\overline{\text{MUX}}$ (Purple)

MUX (Gray)

+12 VDC (Blue)

Common (Yellow)

To EDU
Connector

5

Mount Shade to Sub-Brackets



WARNING:

Shades wider than 4ft (1.2m) require two people to install.

5.1

Remove retaining screws from shade brackets.

Note: Leave protective wrapping on shade during installation.

5.2

Slide back of shade bracket into slot of sub-bracket

5.3

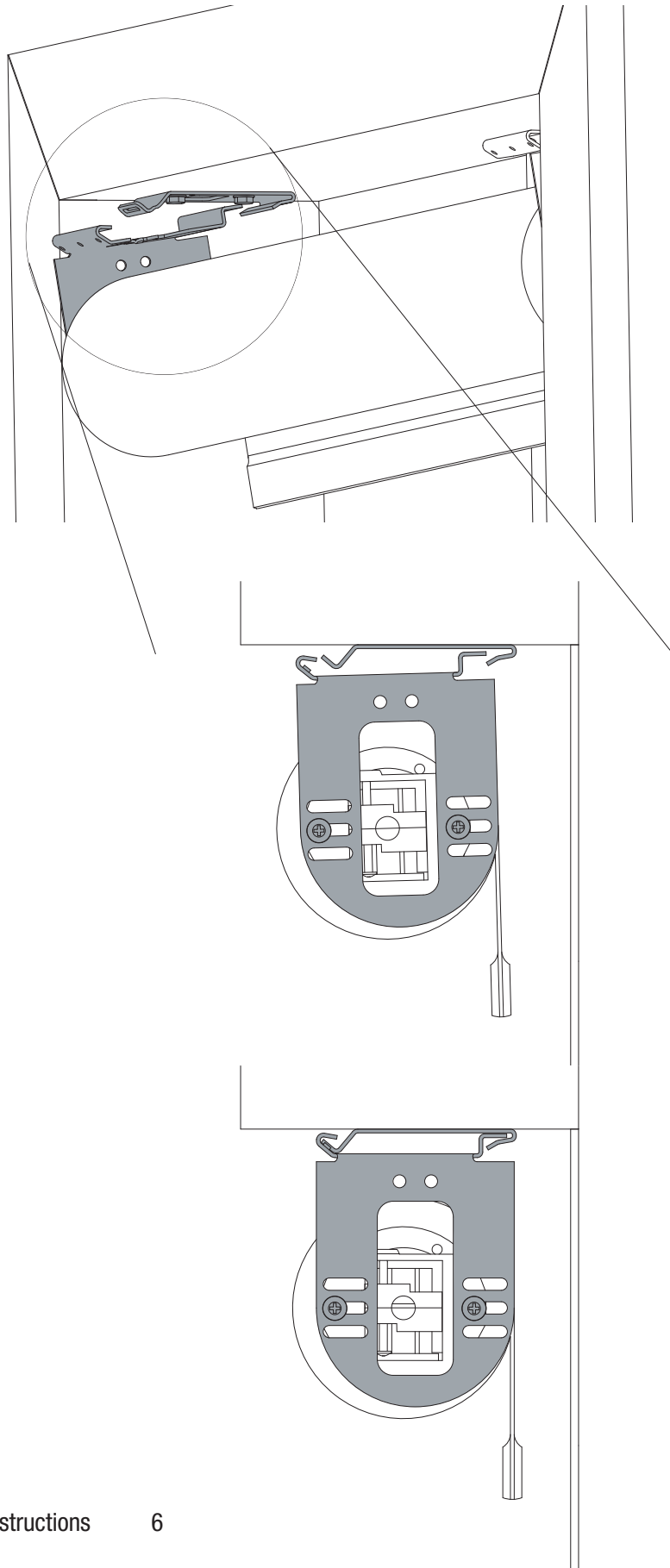
Slide shade back while swinging front of shade bracket up to hook on sub-bracket.

5.4

Confirm shade bracket is fully engaged onto sub-bracket.

5.5

Route cable wires from wall, ceiling, or jamb between the shade bracket and sub-bracket being careful not to pinch wire.



6

Center and Secure Shade

6.1

Move the shade left or right until centered.



WARNING:

Shade is not secured to the wall during the adjustment procedure. Extreme movement from side-to-side may cause shade to fall. Attention should be paid to the shade brackets' engagement into the sub-bracket as side-to-side movement is not restricted at this point. Shades wider than 4ft (914mm) require two people to center the shade.

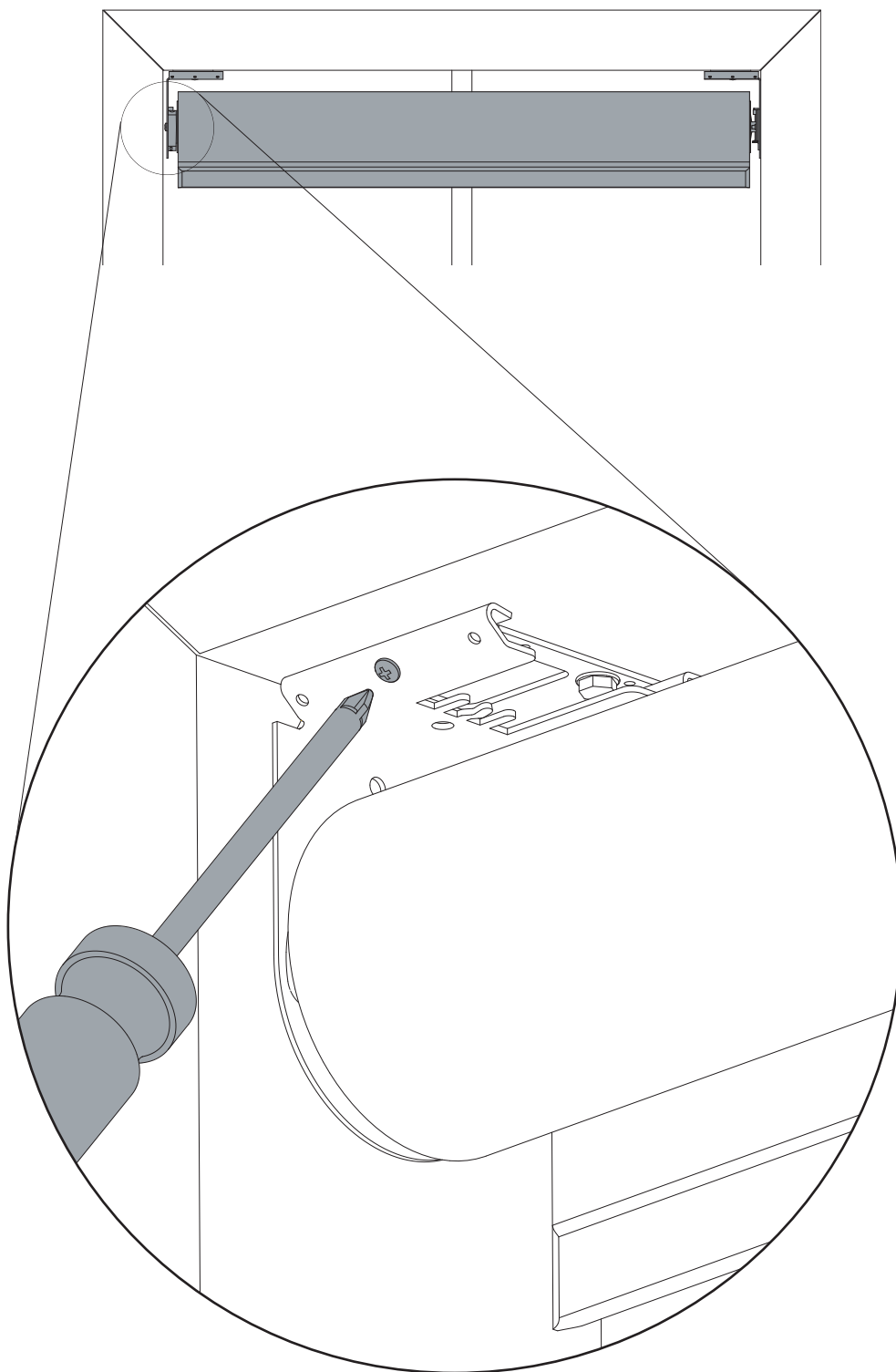
6.2

Insert and tighten retaining screws on BOTH shade brackets to secure the shade into position. Screws should be tightened down all the way.



WARNING:

After installing retaining screws, gently push and pull on the rollershade to ensure a secure installation.



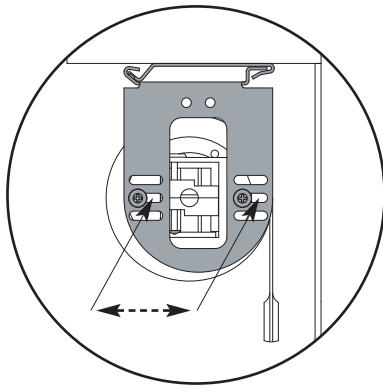
7 Adjust Shade Level

7.1

Turn leveling screw to raise or lower idler side of shade until level.

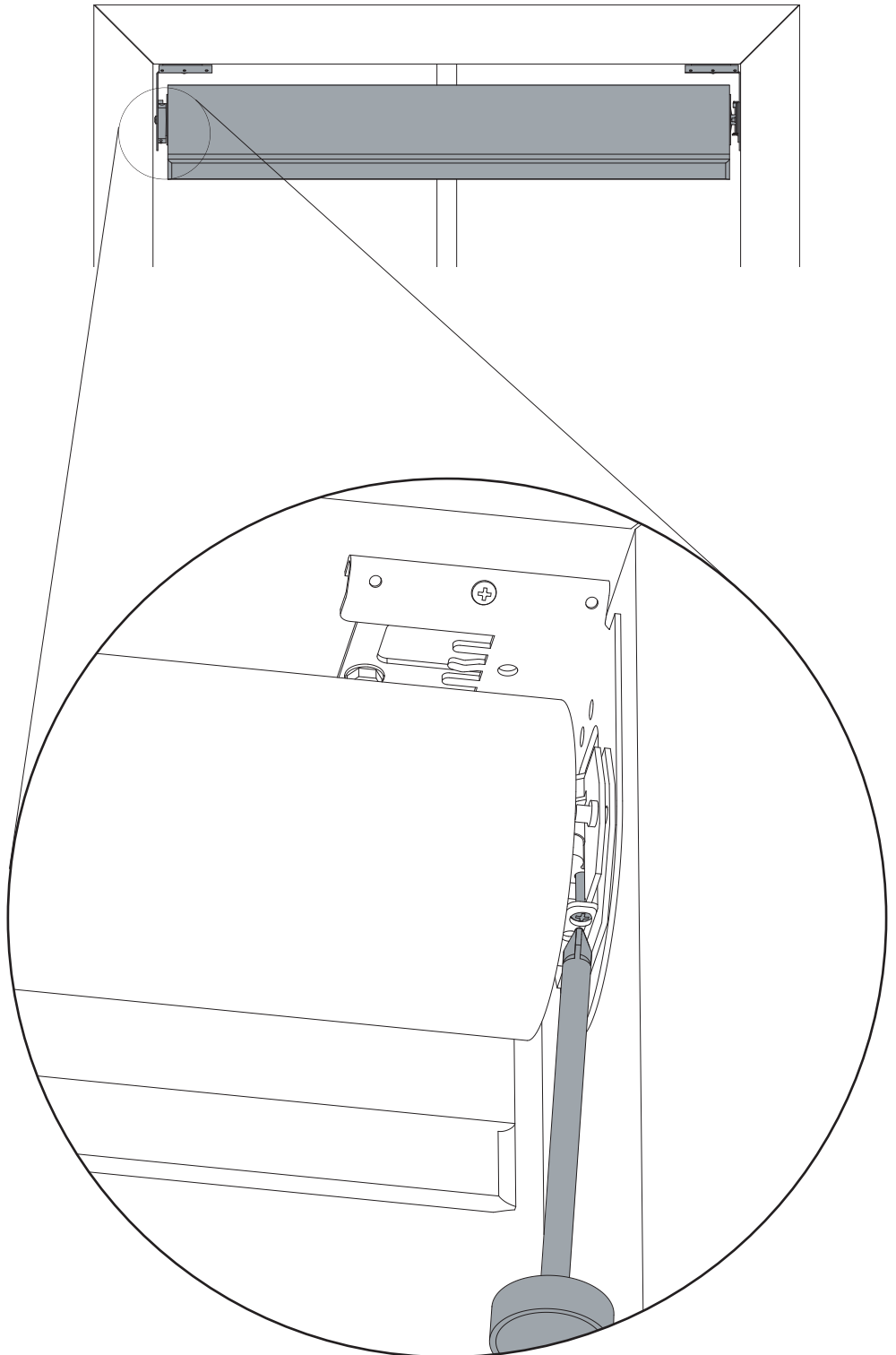
7.2

Adjust shade projection from window so that it clears any window trim or hardware when operating.



7.3

Confirm roller tube turns freely without rubbing on anything.



8

Connect Terminal Blocks

8.1

Plug 7-pin terminal block on cable into EDU terminal block attached to shade bracket

Note: EDU terminal block clips onto shade bracket to hold connected terminal block in place.

8.2

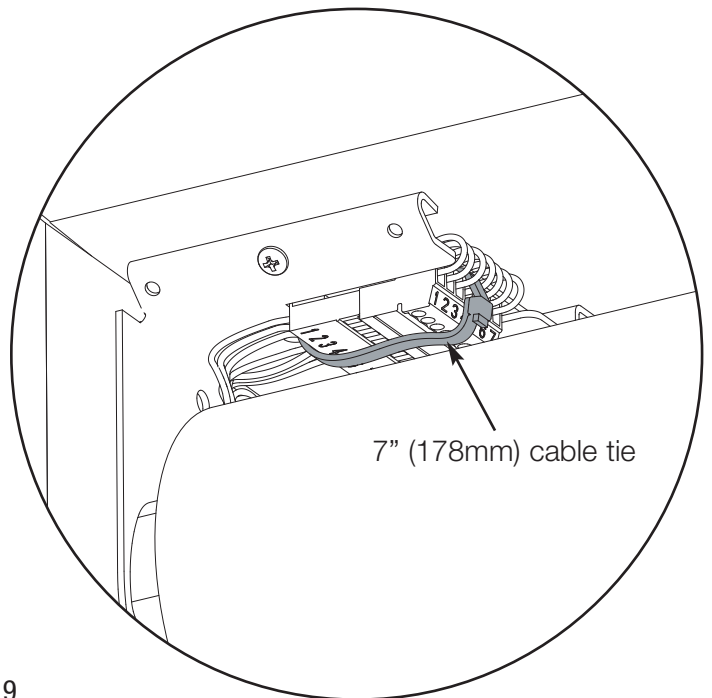
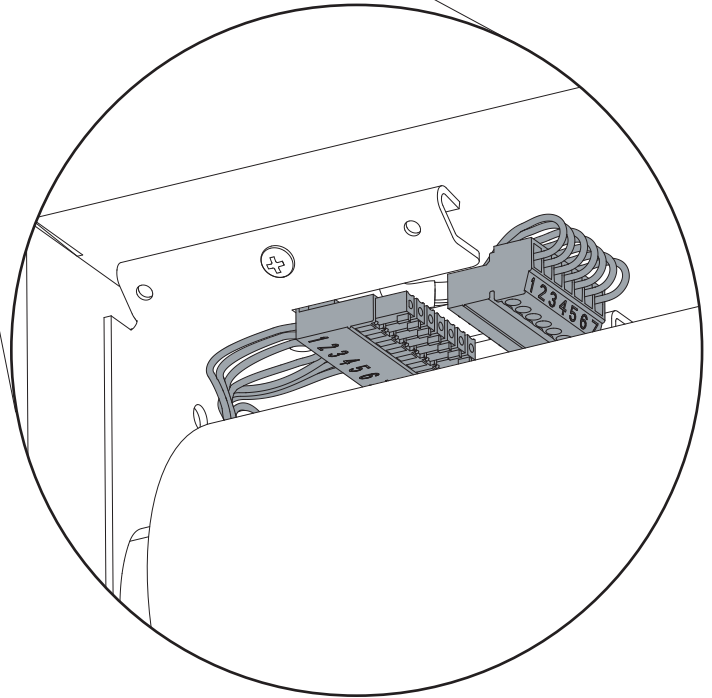
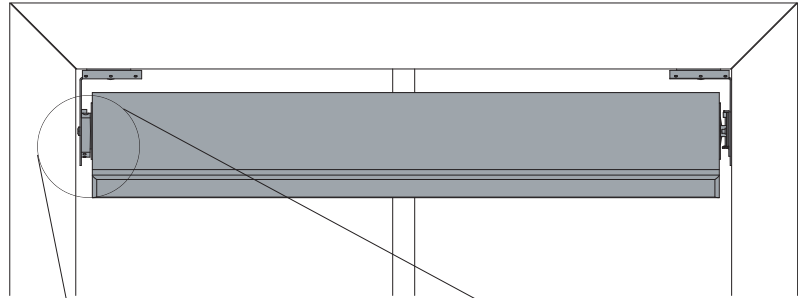
Ensure terminal blocks are oriented as shown.

8.3

Secure terminal blocks with 7" cable tie.

8.4

Use 4" (102mm) Cable Ties to dress wires to prevent them from rubbing against shade fabric.



9

IR Receiver Connection (if applicable)

9.1

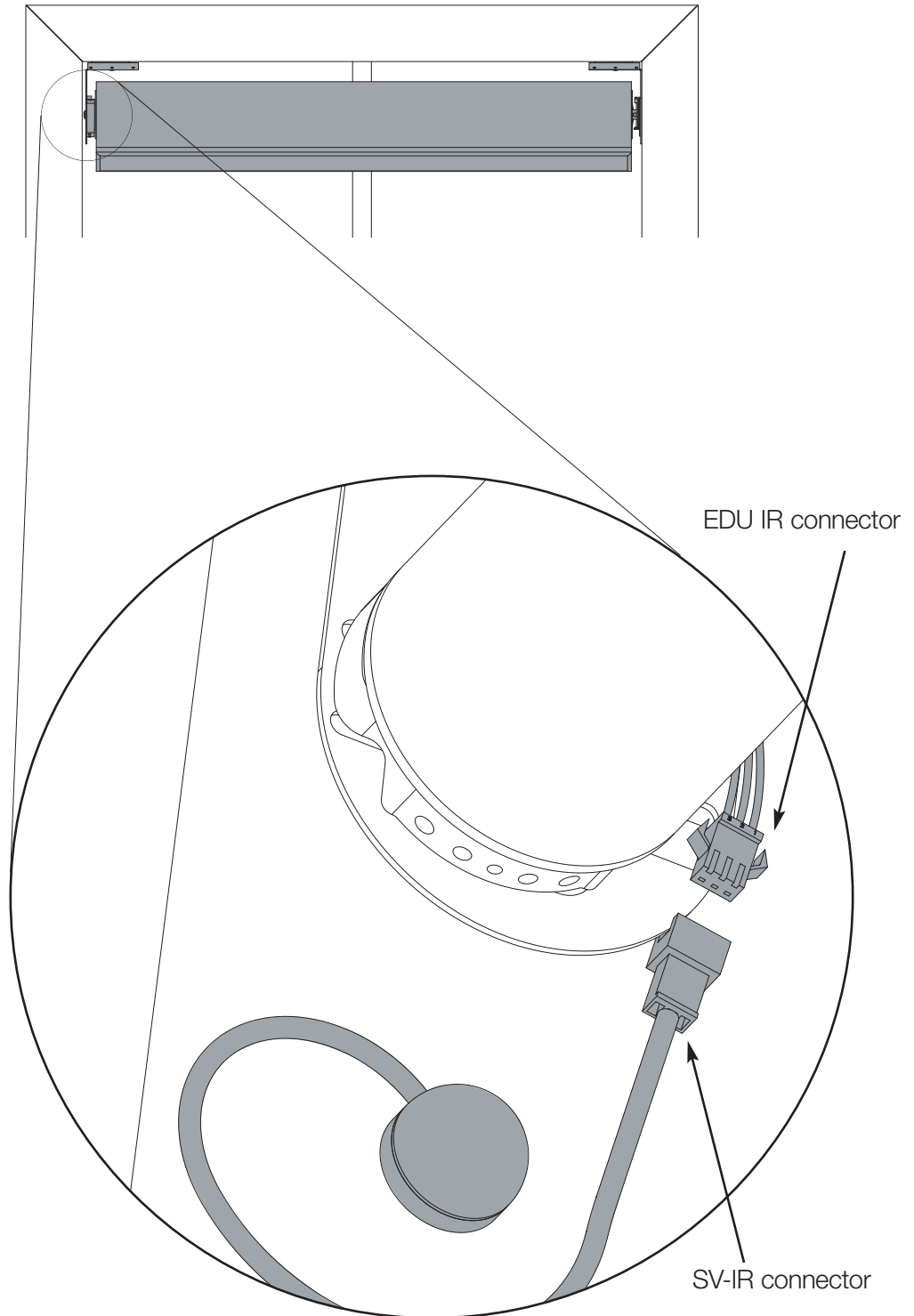
Plug in EDU IR connector to remote eye connector (SV-IR).

9.2

Position IR eye where it is not covered from view of remote control.

9.3

Ensure IR connector does not rub on shade.




10 Programming Setting Limits from the EDU

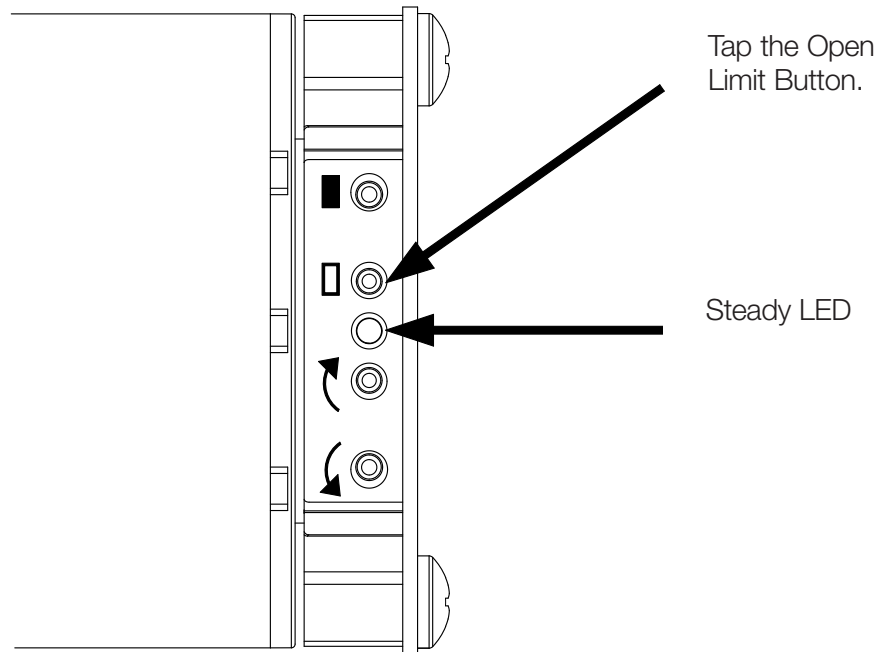
The Open and Close Limits determine how far an EDU will travel. When the open button is pressed on a Keypad, IR transmitter, or CCI, the EDU will move to the Open Limit. When the close button is pressed on a keypad, IR transmitter, or CCI, the EDU will move to the Close Limit. The EDU will not move higher than the Open Limit or lower than the Close Limit.

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.



Setting the Open Limit from the EDU

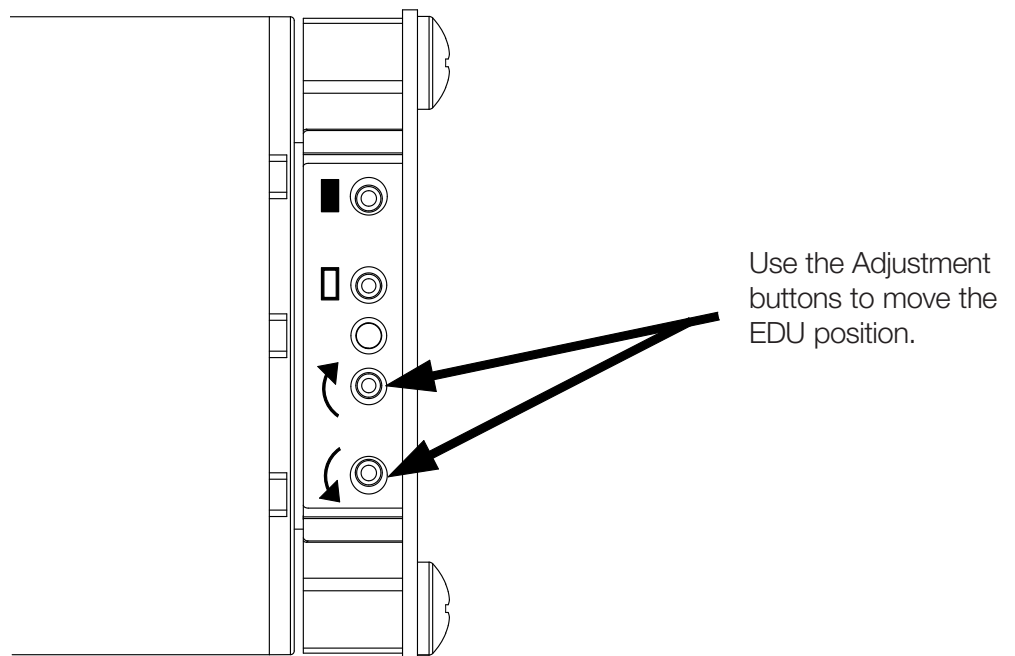
10.1

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



10.2


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

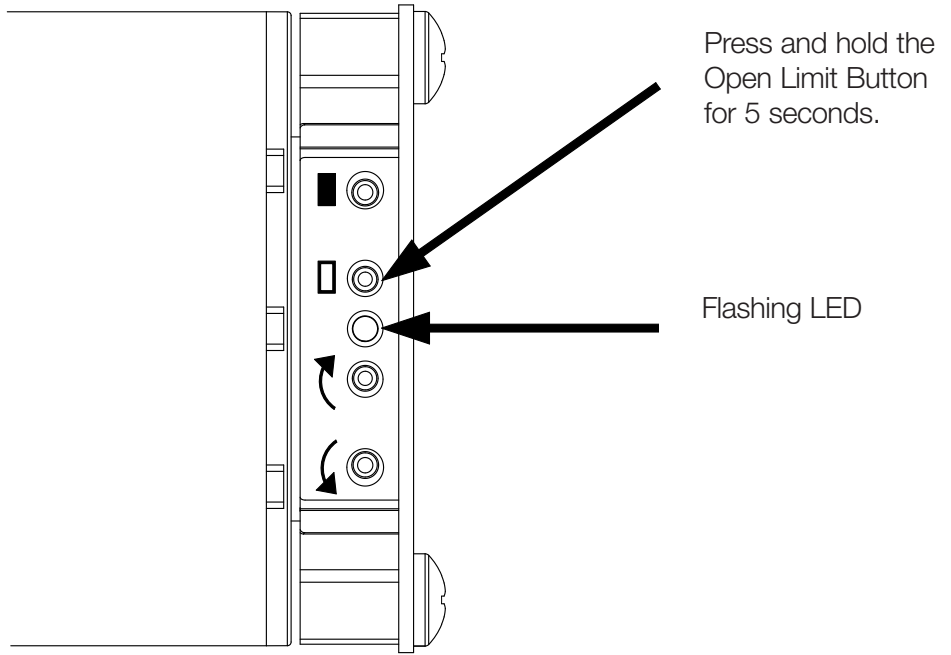


10 Programming Setting Limits from the EDU (continued)

Setting the Open Limit from the EDU


10.3

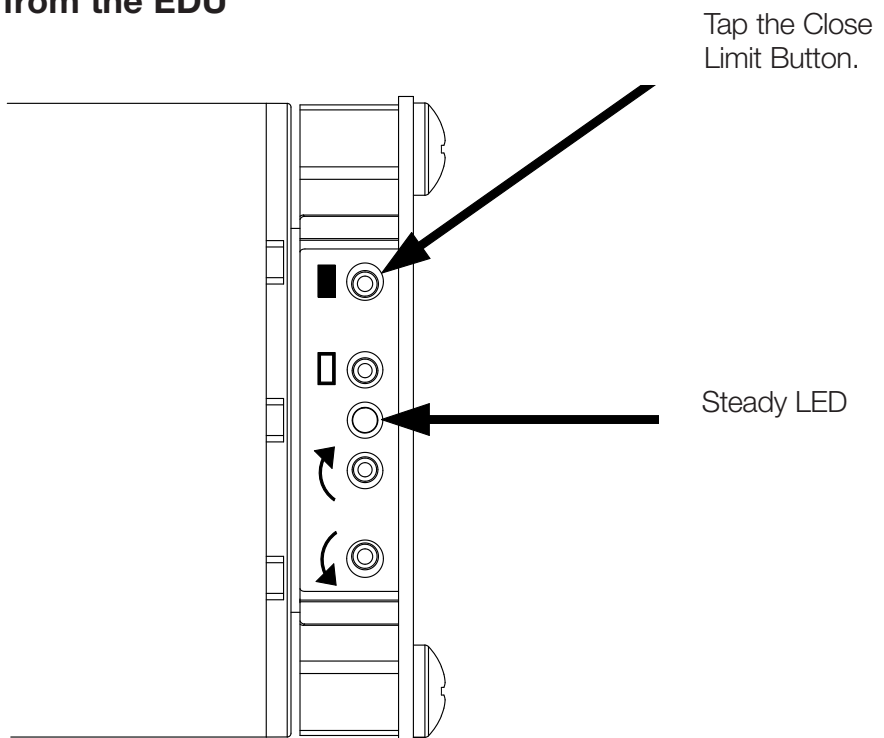
Press and hold the “Open Limit Button” () for 5 seconds. The LED on the roller shade EDU will flash for 2 seconds, then go dark, indicating that the current position has been stored as the Open Limit.



Setting the Close Limit from the EDU

10.4

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



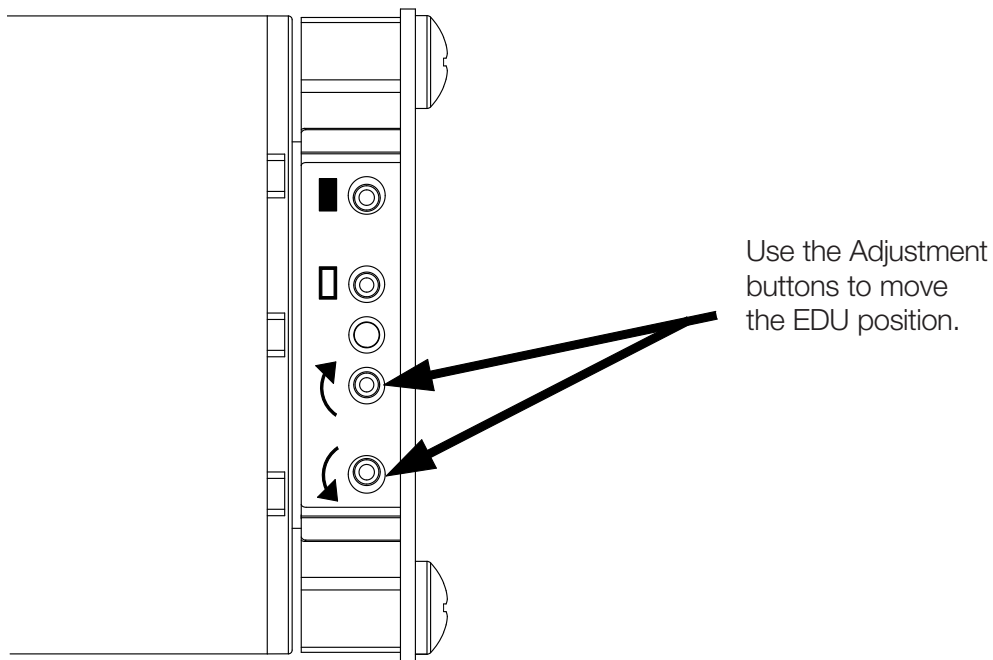
10

Programming Setting Limits from the EDU (continued)

Setting the Close Limit from the EDU

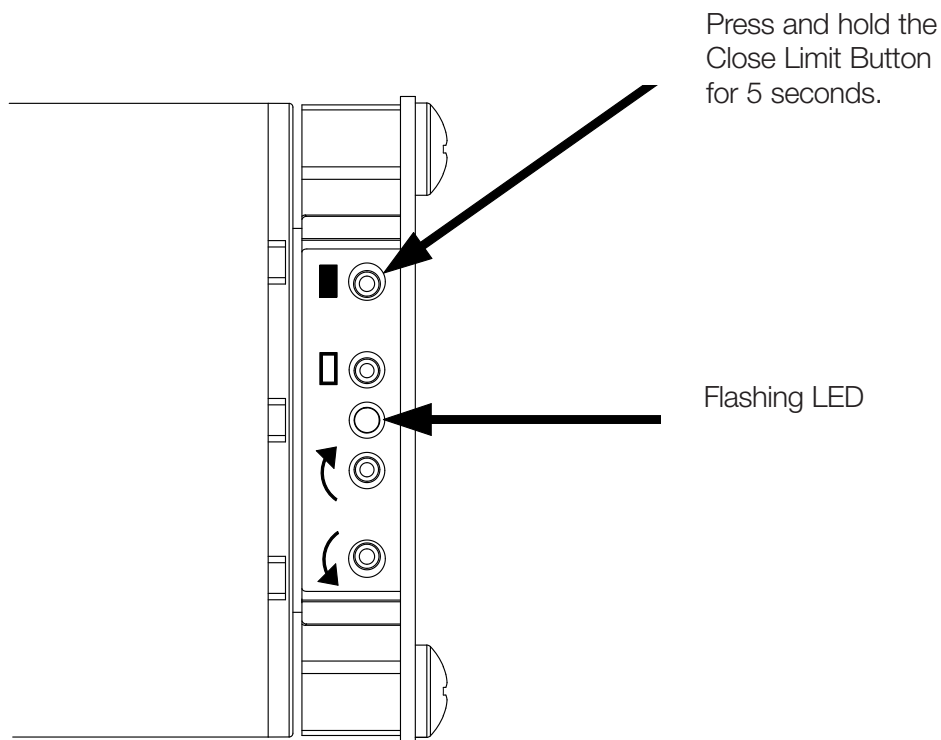
10.5

Adjust the position of the EDU to the desired Close Limit using the adjustment buttons (↶↷).



10.6

Press and hold the “Close Limit Button” (■) for 5 seconds. The 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.



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

12 Troubleshooting

<u>Symptom</u>	<u>Solution</u>
EDU will not move...	<ul style="list-style-type: none"> ...EDU is not powered - check EDU Power. ...Shade is caught on something - free shade. ...Shade is not assigned to keypad, IR, or CCI. ...Limits set at same place.
Shade does not fully open or fully close...	<ul style="list-style-type: none"> ...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...	<ul style="list-style-type: none"> ...Adjust using level adjustment screw. ...Check that brackets are mounted level. ...Check that fabric is tracking correctly on the shade tube.
Fabric not centered over window...	<ul style="list-style-type: none"> ...Center shade using center adjustment. ...Check that brackets are centered.
Shade does not move smoothly...	<ul style="list-style-type: none"> ...Check for binding of shade fabric on side channels. ...Check fabric tracking.
IR controls will not operate shade....	<ul style="list-style-type: none"> ...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. ...Batteries are not providing power, replace them. ...IR receiver not properly oriented.