

Sivoia QED[®]
Installation
Instructions

**Ceiling Mount
Roller Blind**

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



Sivoia QED® | ceiling mount roller blind

Installation Instructions

Tools Required:

Tape Measure

Wire Cutter/Stripper

Pliers

#2 Phillips Screwdriver

1/4 in. Hex-Head Driver

Level

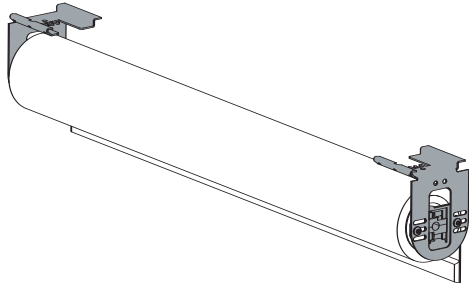
Power Drill

Notes:

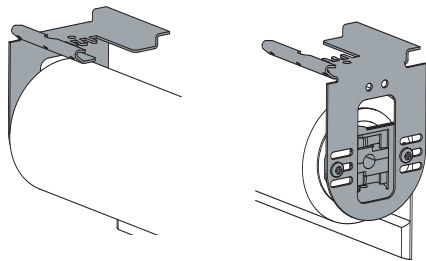
- 1) For In-Line Coupled Blind Systems, begin with Sivoia QED In-Line Coupled Roller Blind Addendum, P/N 045-048-12. The Addendum will indicate when to use this document.
- 2) Complete wiring and programming information can be found in the Sivoia QED Wire and Programming Guide, P/N 045-038-12 or at www.lutron.com.
- 3) The Electronic Drive Unit (EDU) will need to be powered to complete installation.

Box Contents:

Sivoia QED Roller Blind



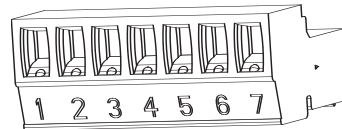
Left and Right Side Bracket (attached)



(2) Ceiling Sub-Brackets



(1) 7 Pin Terminal Block

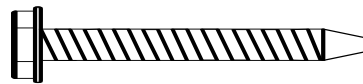


(2) Extra Retaining Screws
(#6x6 mm (#6x1/4 in.) Phillips Head Screws)



(Actual Size)

(8) Mounting Screws
(#8x44 mm (#8x1-3/4 in.) Hex Head Screws)

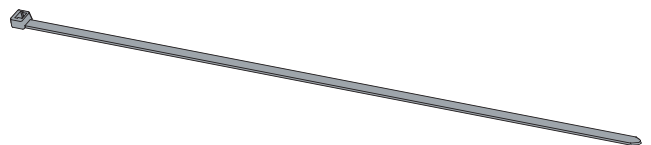


(Actual Size)

(2) (102 mm (4 in.) Cable Ties)



(2) (178 mm (7 in.) Cable Ties)




1 Match Blind to Window


1.1

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

Package Label

WO# 

LUTRON

PO: 


Tag:

Item #:

Wid": SW Ht":

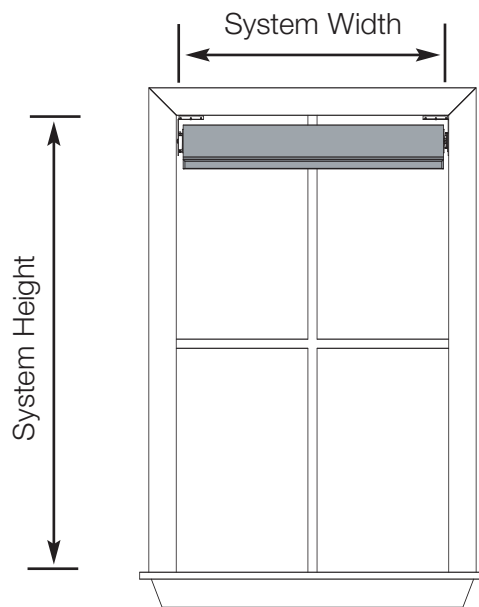
Item Tag: of Boxes:

LUTRON Shading Solutions
800-446-1503



00181117 001 001 03/13/03

Checked by:



2

Pre-drill for Cable

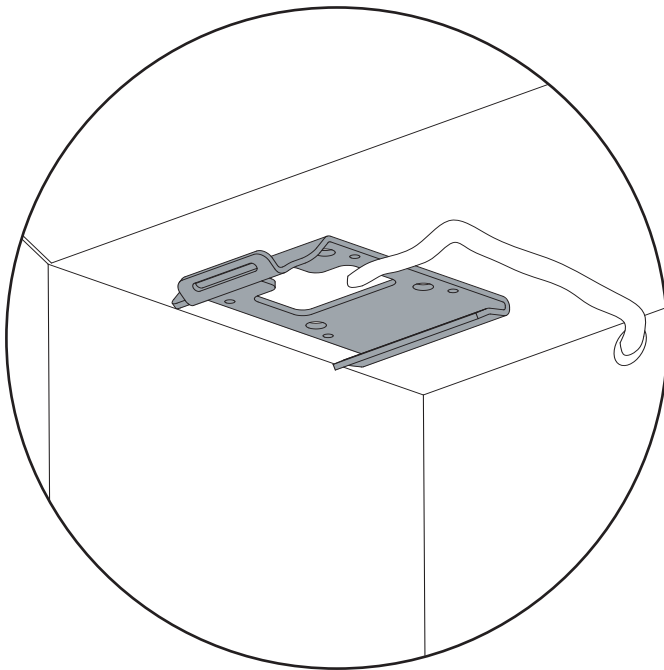
2.1

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

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

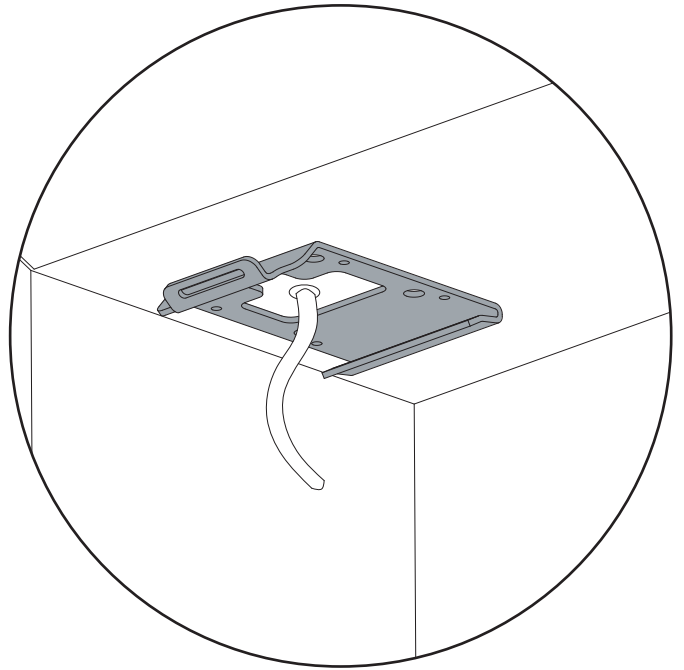
Note: Leave 305-457 mm (12-18 in.) of cable exposed.

Wall



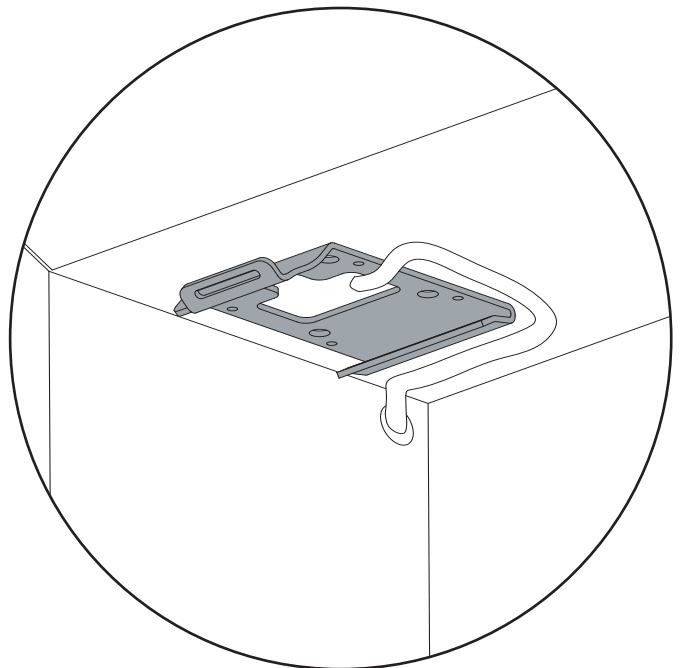
Wall
Drill for cable 83 mm (3 1/4 in.) from end of system and 13 mm (1/2 in.) from top of system.

Ceiling



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

Jamb



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

3

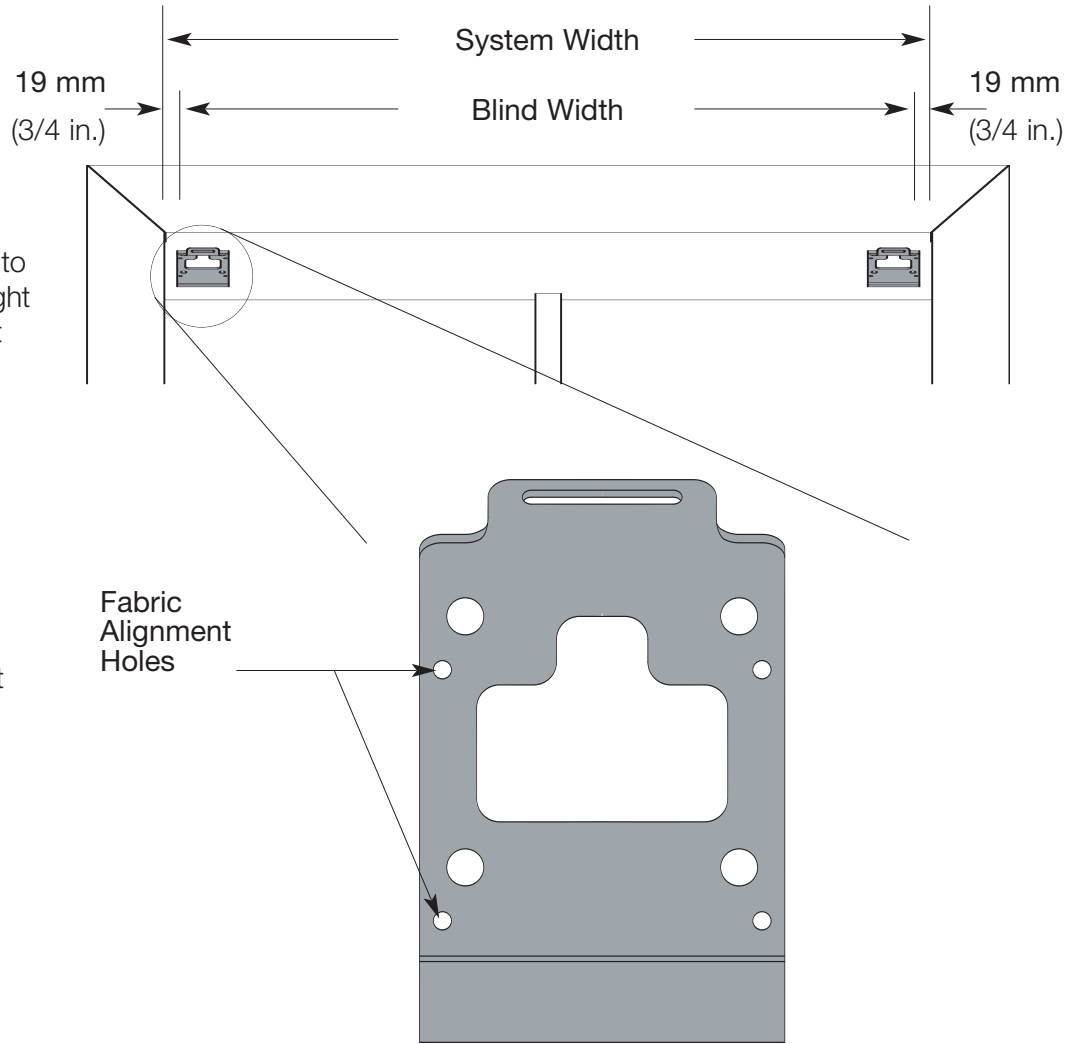
Mount Sub-Brackets

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 blind tube.

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

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



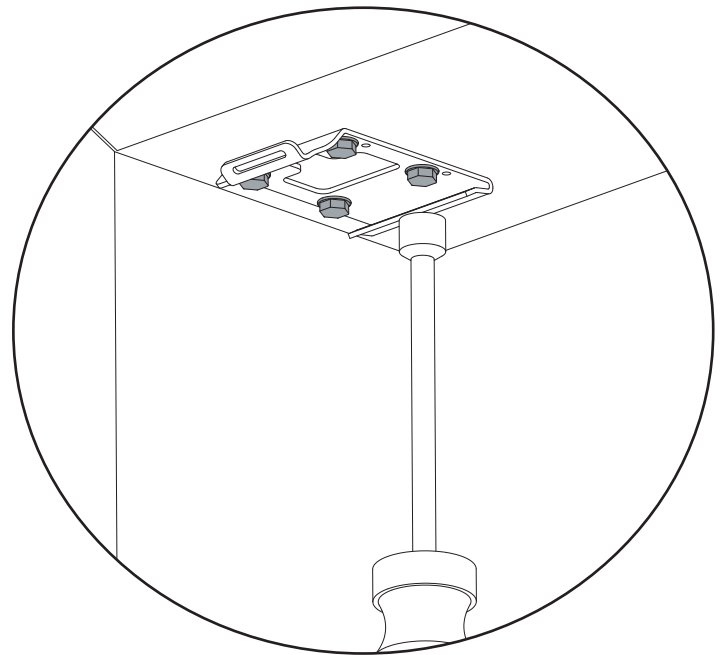
3.2

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



WARNING:

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



4 Wire 7-Pin Terminal Block

4.1

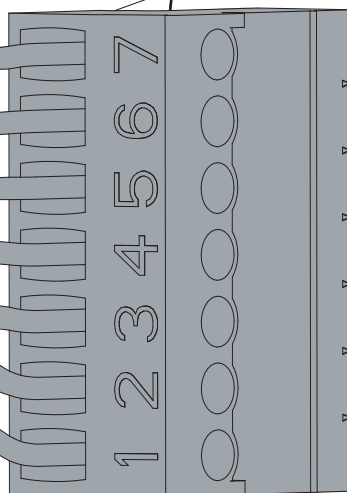
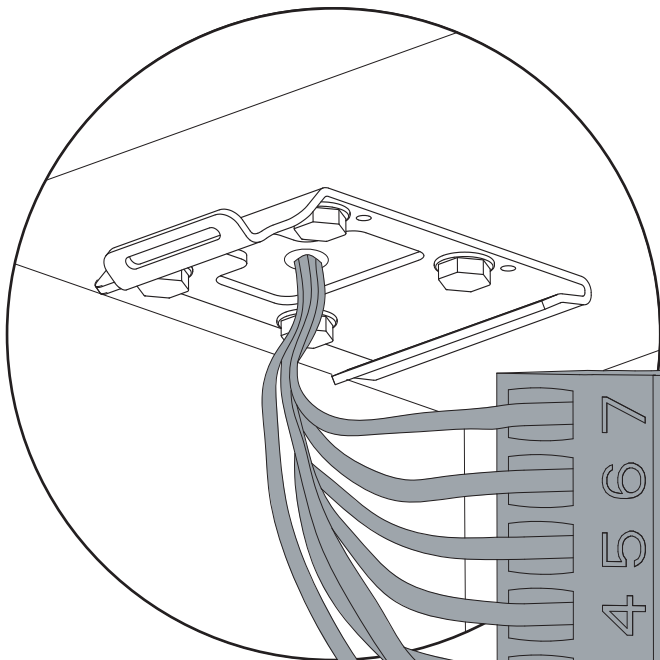
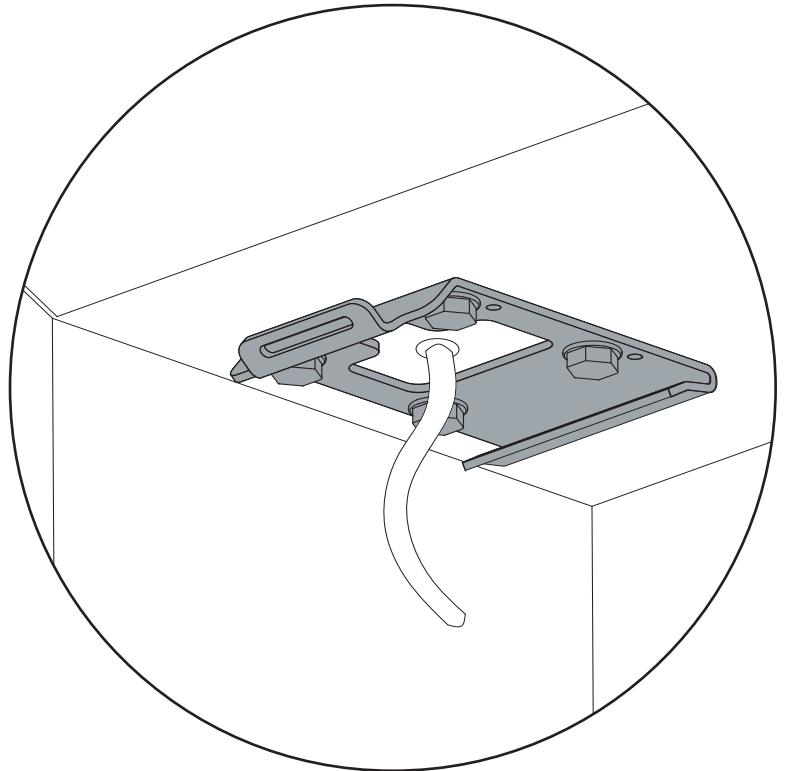
Strip jacket off entire length of exposed cable.
305-457 mm (12-18 in.)

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

4.2

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

Note: SVQ-CBL-250 shown



- EGND \oplus (Yellow/Green)
- 24 V~ (Red)
- 24 V~ (Red/White)
- MUX (Purple)
- MUX (Gray)
- 12 V --- (Blue)
- Common (Yellow)

To EDU Connector

5

Mount Blind to Sub-Brackets



WARNING:

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

5.1

Remove retaining screws from blind brackets.

Note: Leave protective wrapping on blind during installation.

5.2

Slide back of blind bracket into slot of sub-bracket

5.3

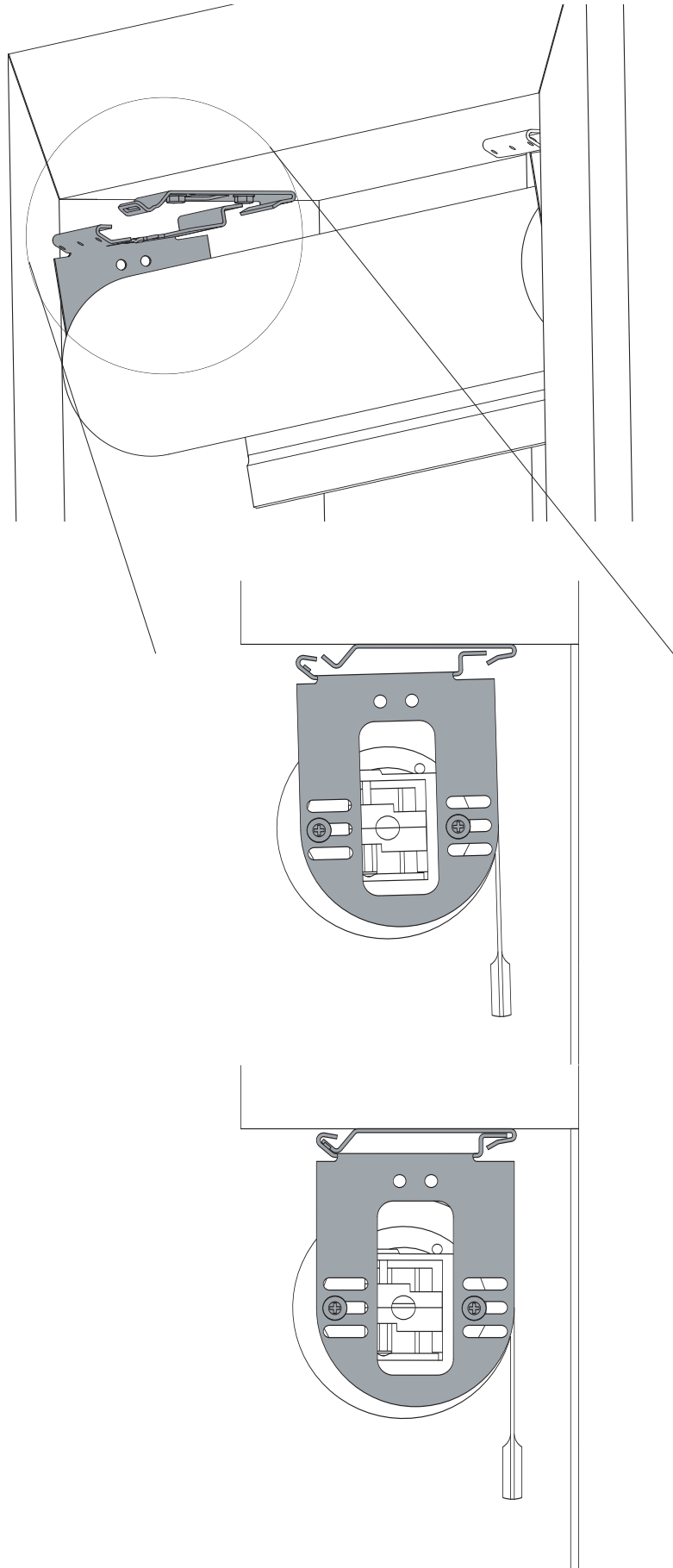
Slide blind back while swinging front of blind bracket up to hook on sub-bracket.

5.4

Confirm blind bracket is fully engaged onto sub-bracket.

5.5

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



6

Center and Secure Blind

6.1

Move the blind left or right until centered.



WARNING:

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

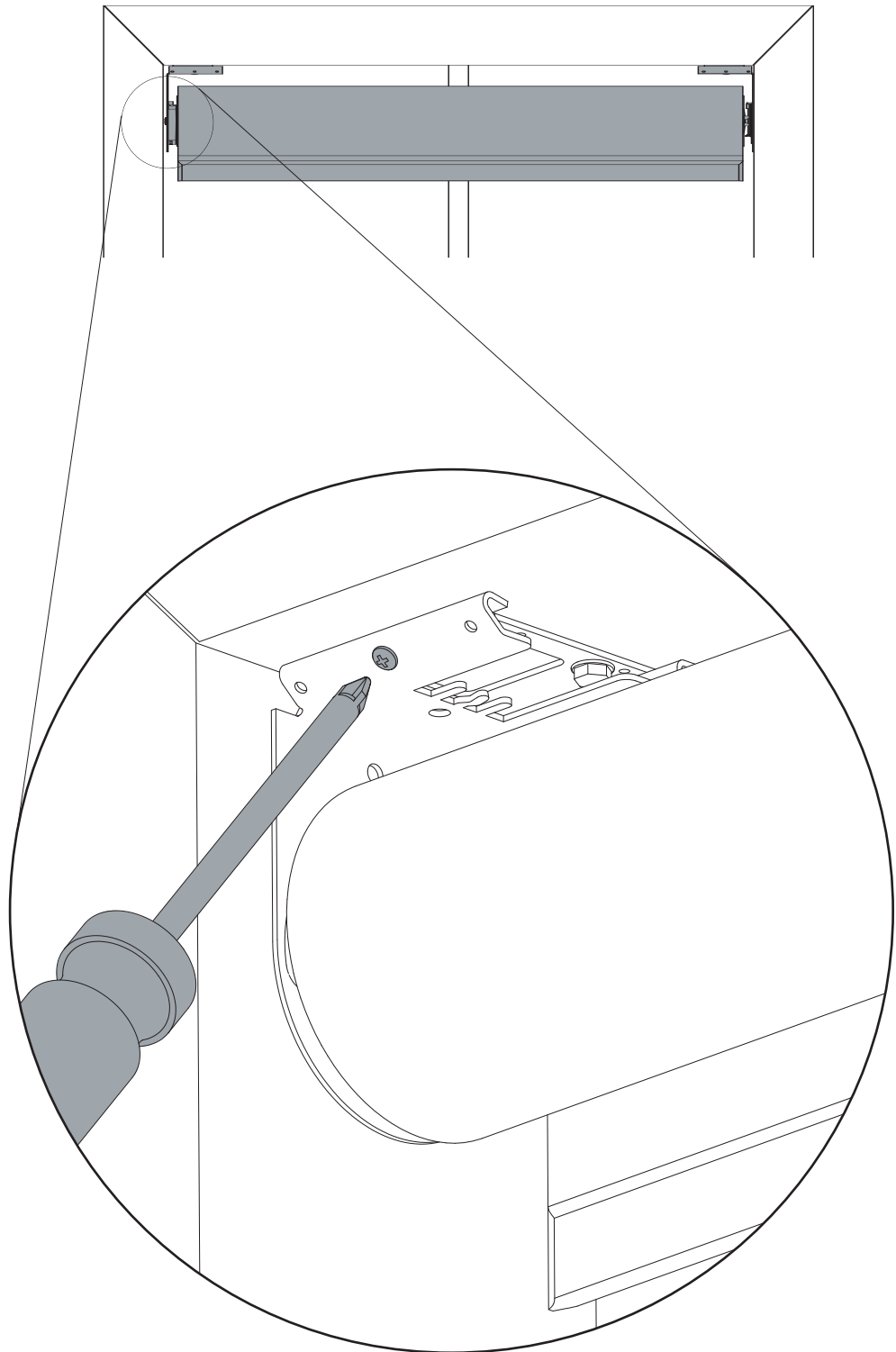
6.2

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



WARNING:

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



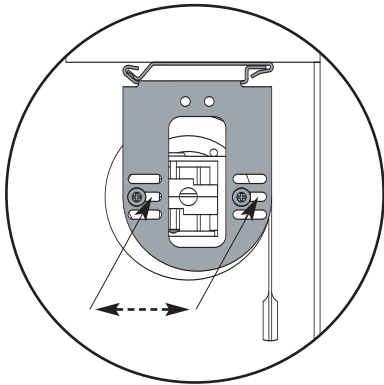
7 Adjust Blind Level

7.1

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

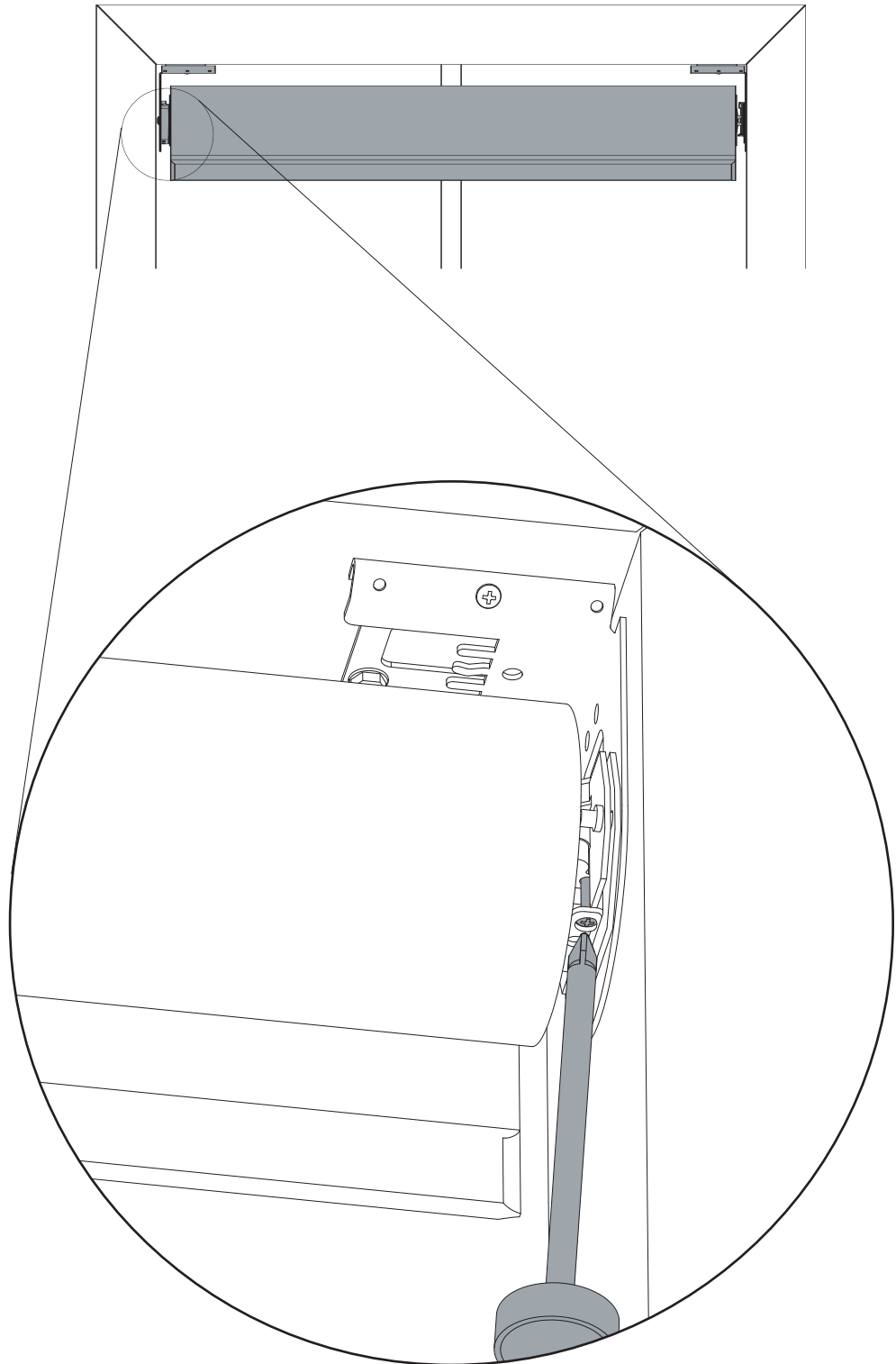
7.2

Adjust blind 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.



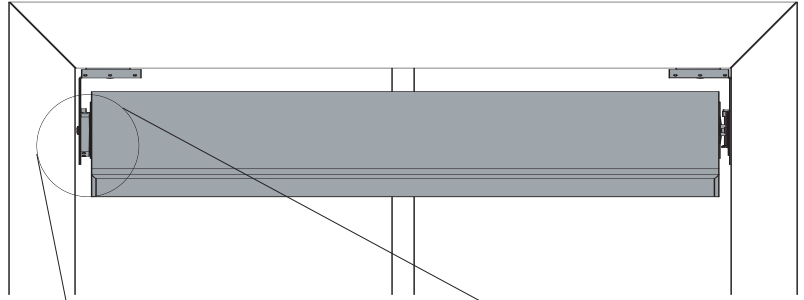
8

Connect Terminal Blocks

8.1

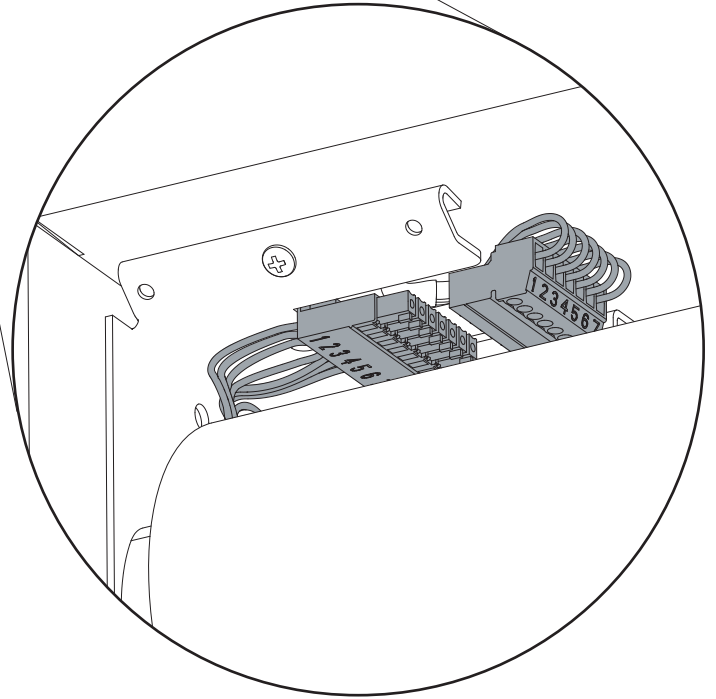
Plug 7-pin terminal block on cable into EDU terminal block attached to blind bracket

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



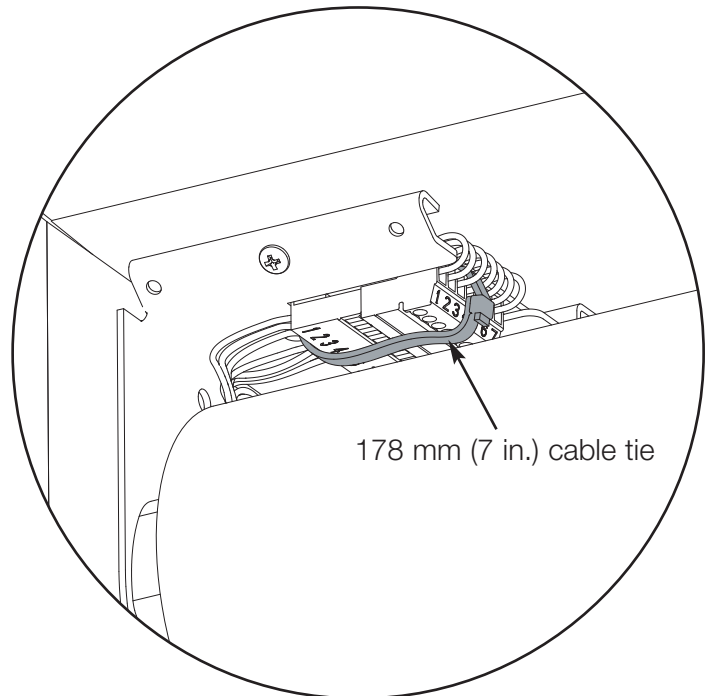
8.2

Ensure terminal blocks are oriented as shown.



8.3

Secure terminal blocks with 178 mm (7 in.) cable tie.



8.4

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

9 IR Receiver Connection (if applicable)

9.1

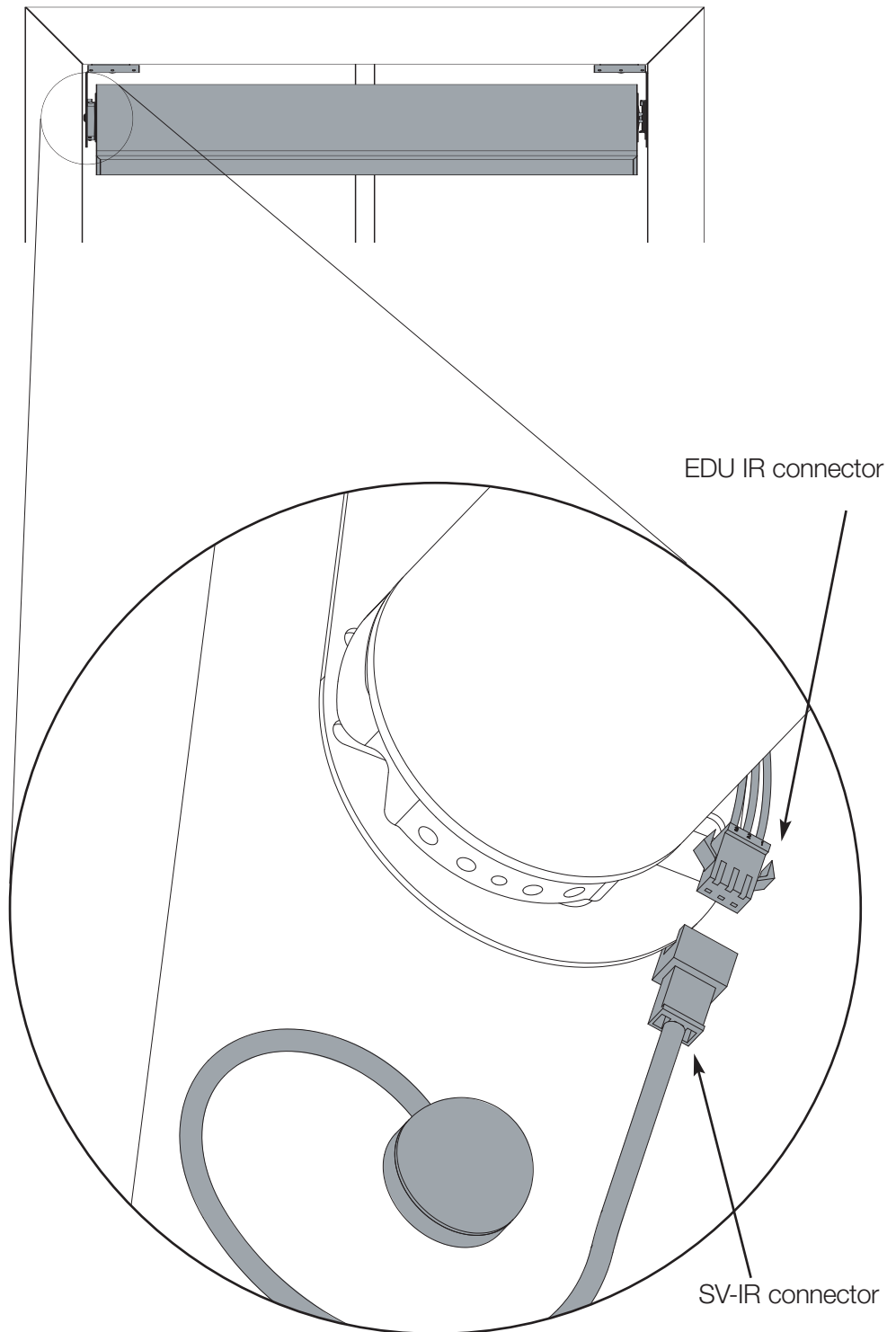
Plug in EDU IR connector to remote eye connector (SV-IR).

9.2

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

9.3

Ensure IR connector does not rub on blind.




10 Programming Setting Limits from the EDU

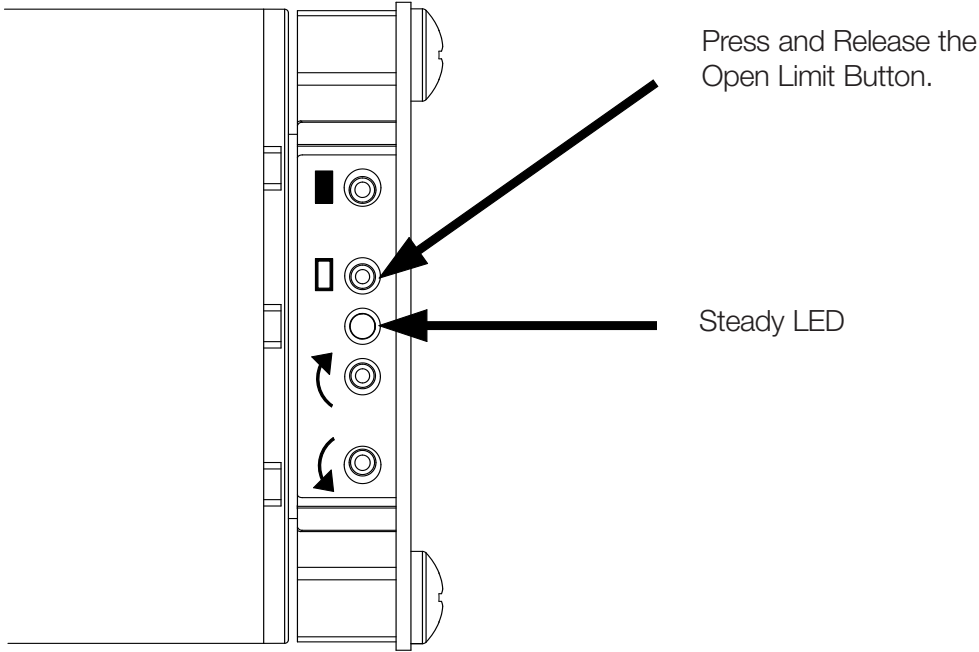
The Open and Close Limits determine how far an EDU will travel. When the open button is pressed on a Keypad, IR transmitter, or CCI, the EDU will move to the Open Limit. When the close button is pressed on a keypad, IR transmitter, or CCI, the EDU will move to the Close Limit. The EDU will not move higher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

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



Setting the Open Limit from the EDU

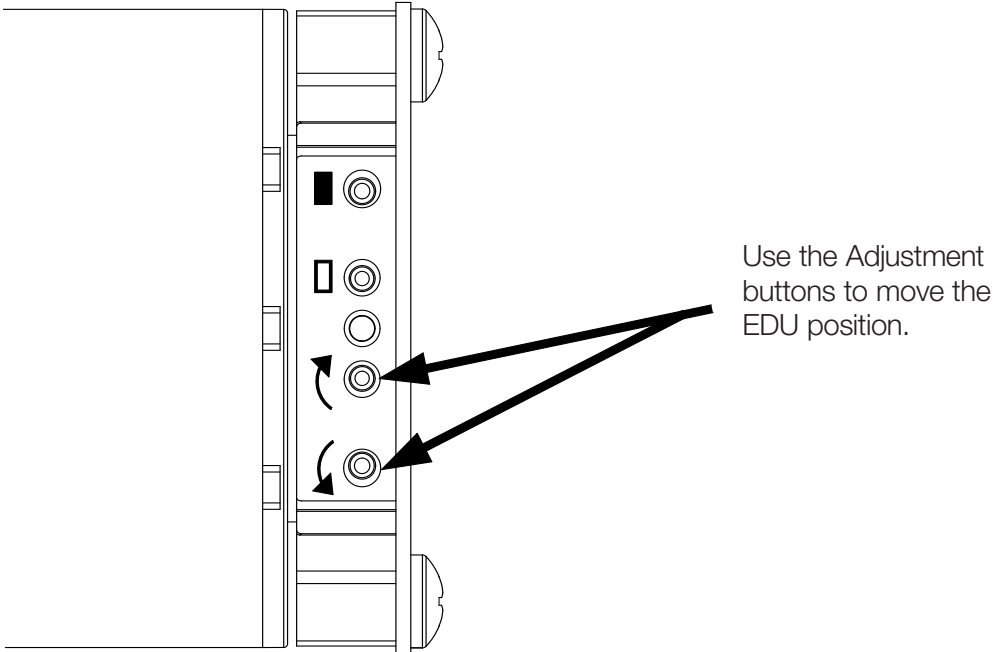
10.1

Press and release the “Open Limit Button” (), the LED on the roller Blind 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 ( ).

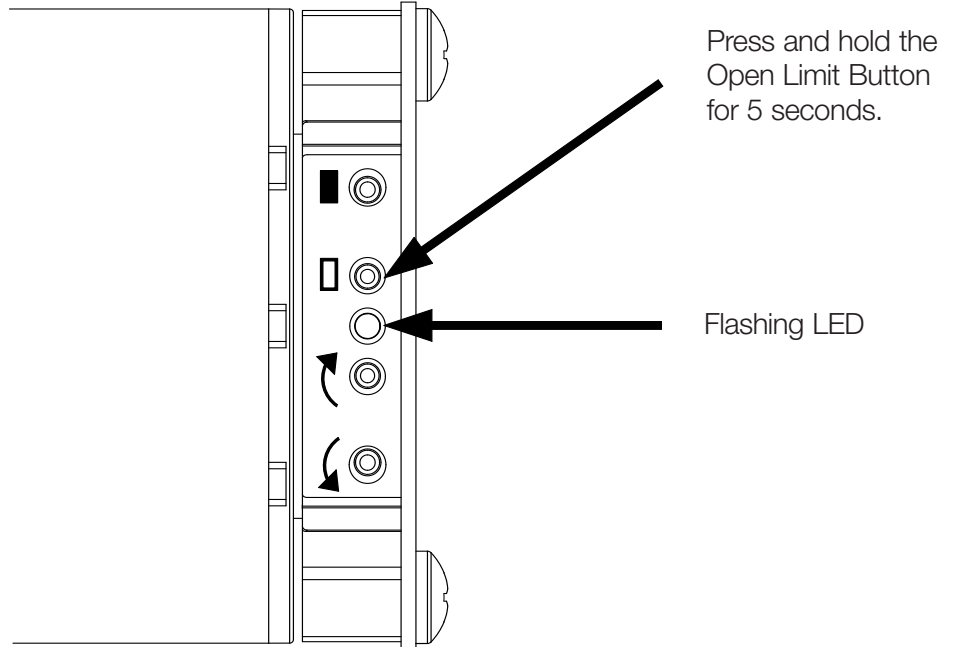


10 Programming Setting Limits from the EDU (continued)

Setting the Open Limit from the EDU


10.3

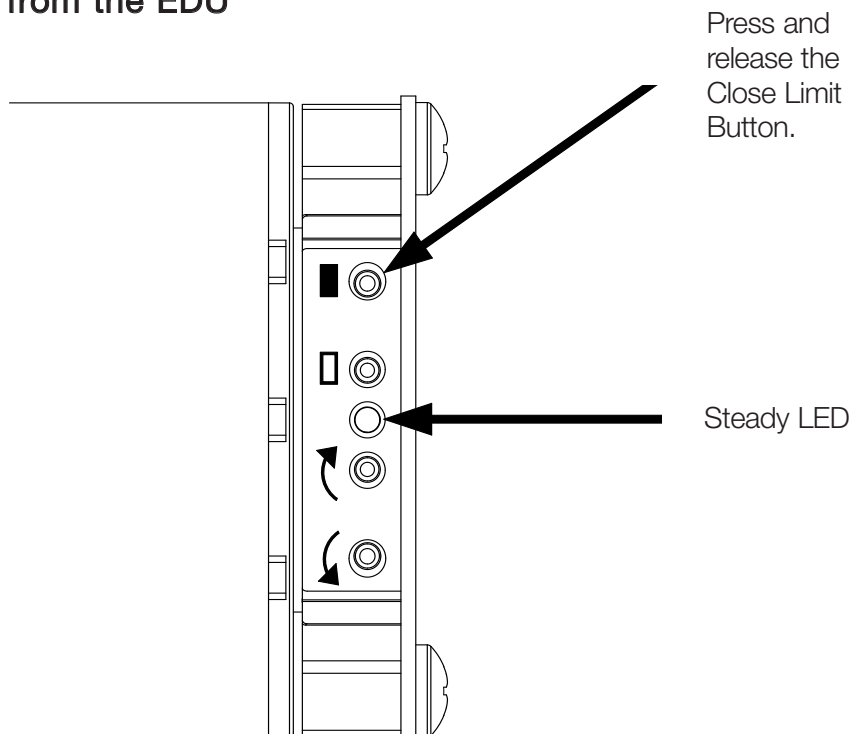
Press and hold the “Open Limit Button” () for 5 seconds. The LED on the roller blind EDU will flash for 2 seconds, then go dark, indicating that the current position has been stored as the Open Limit.



Setting the Close Limit from the EDU

10.4

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

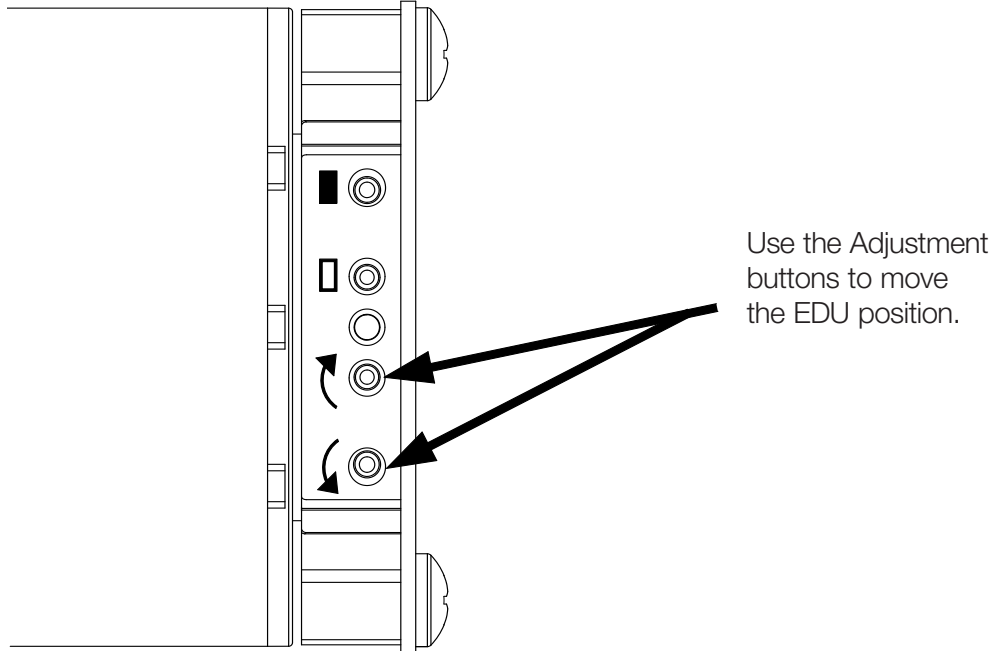


10 Programming Setting Limits from the EDU (continued)

Setting the Close Limit from the EDU

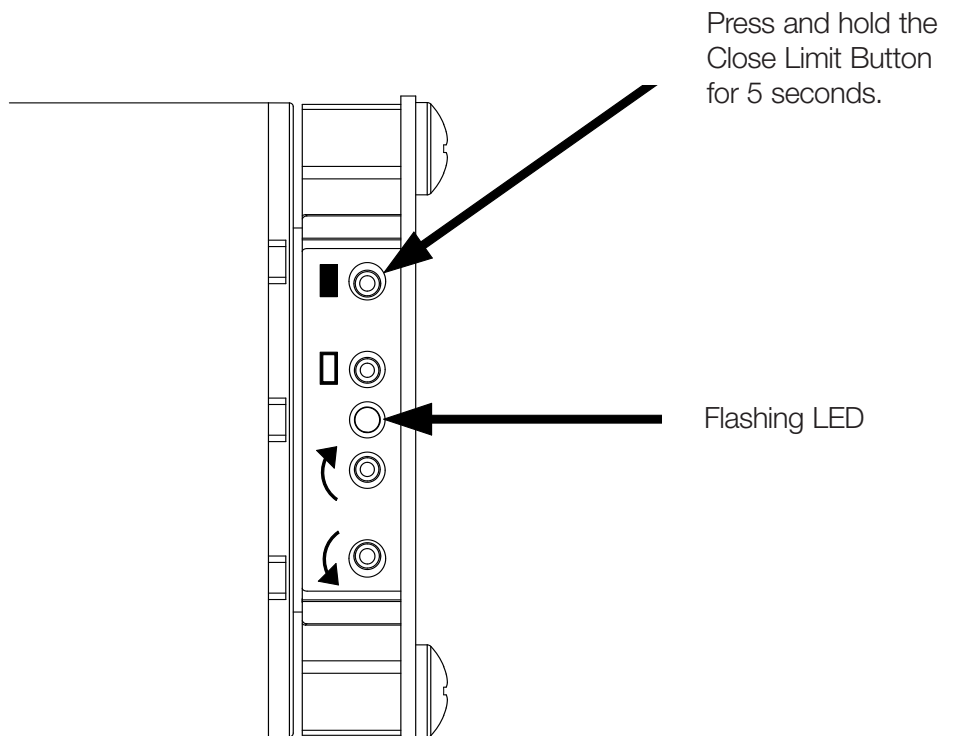
10.5

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 blind EDU will flash for 2 seconds. Then go dark, indicating that the current position has been stored as the Close Limit.



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

The next step is to finish programming the system.

Use the instructions in the **Wiring and Programming Guide** (p/n 045-38-12) or the **Technical Reference Guide** (p/n 367-592-12) 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 blinds** (EDUs) to keypads, IR hand controls and/or contact closure interfaces. Tell system which blinds (EDUs) respond to which keypads and IR hand controls and contact closure Interfaces.
4. **Set and save PRESET blind positions** if you desire them to be different from the factory defaults.

12 Troubleshooting

<u>Symptom</u>	<u>Solution</u>
EDU will not move...	...EDU is not powered - check EDU Power. ...Blind is caught on something - free blind. ...Blind is not assigned to keypad, IR, or CCI. ...Limits set at same place.
Blind does not fully open or fully close...	...Limits have been set incorrectly - refer to “set open limit” and “set close limit” sections. ...Blind fabric is caught on something - free blind.
Fabric not level...	...Adjust using level adjustment screw. ...Check that brackets are mounted level. ...Check that fabric is tracking correctly on the blind tube.
Fabric not centered over window...	...Center blind using center adjustment. ...Check that brackets are centered.
Blind does not move smoothly...	...Check for binding of blind fabric on side channels. ...Check fabric tracking.
IR controls will not operate blind...	...IR transmitter does not have line-of-sight to IR receiver. ...Out of range - move to within 12 m (40 ft) 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.

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

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and corresponding foreign patents. US and foreign patents pending.

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