

Sivoia QED™ Installation Instructions

Pocket 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™ | pocket mount roller shade

Installation Instructions

Tools Required:

Tape Measure
Wire Cutter/Stripper
Pliers
#2 Phillips Screwdriver

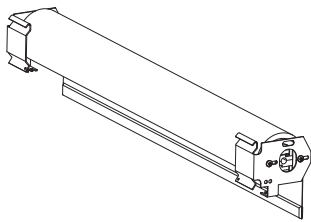
1/4" Hex-Head Driver
Level
Power Drill

Notes:

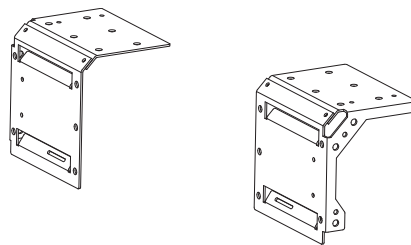
- 1) For In-Line Coupled Shade Systems, begin with Sivoia QED In-Line Coupled Roller Shade Addendum, P/N 045-048. The Addendum will indicate when to use this document.
- 2) Complete wiring and programming information can be found in the Sivoia QED Wire and Programming Guide, P/N 045-038 or at www.lutron.com.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

Box Contents:

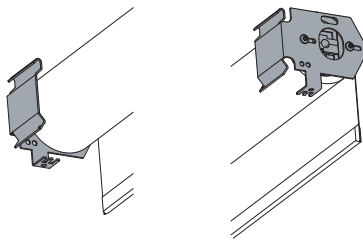
Sivoia QED Roller Shade



(2) Pocket Sub-Brackets



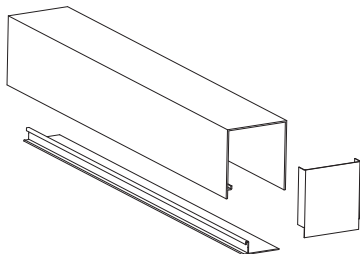
Left and Right Side Shade Bracket (attached)



(1) 7 Pin Terminal Block



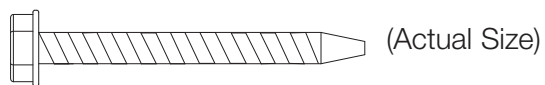
(1) Pocket, (1) flap and (2) end caps (if applicable)



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



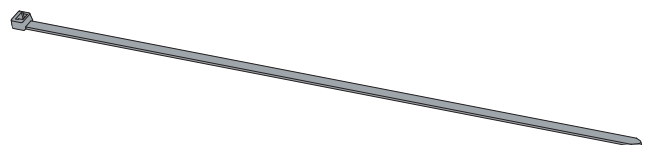
(8) Mounting Screws
(#8x1-3/4" (#8x44mm) Hex Head Screws)



(2) 4" (102mm) Cable Ties



(2) 7" (178mm) Cable Ties

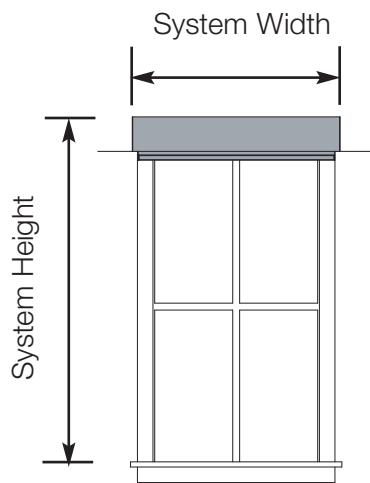


1 Match Shade to Window

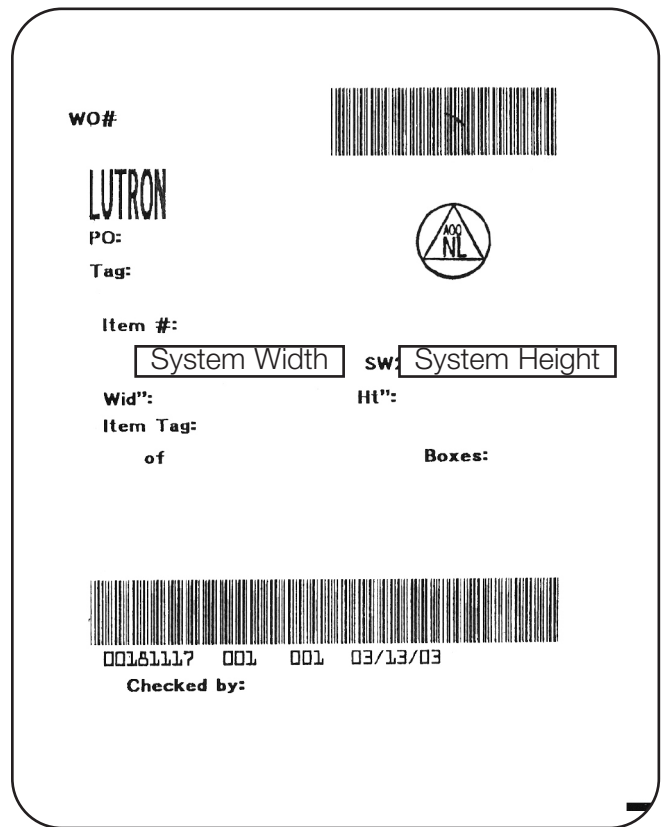
1.1

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

System width must be less than or equal to pocket width.



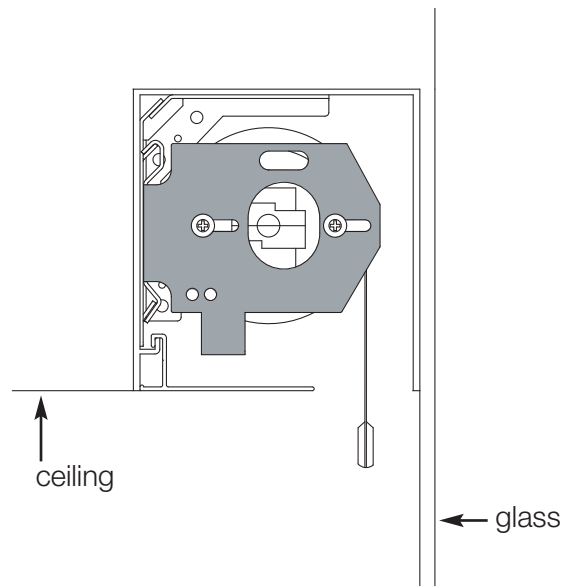
Package Label



1.2

Orient pocket for installation as shown to right. The shade and sub-brackets mount to the inside surface of the pocket that is OPPOSITE the glass.

The fabric drop should be closest to the glass unless a reverse roll is specified.



2

Pre-drill Pocket for Cable Run

2.1

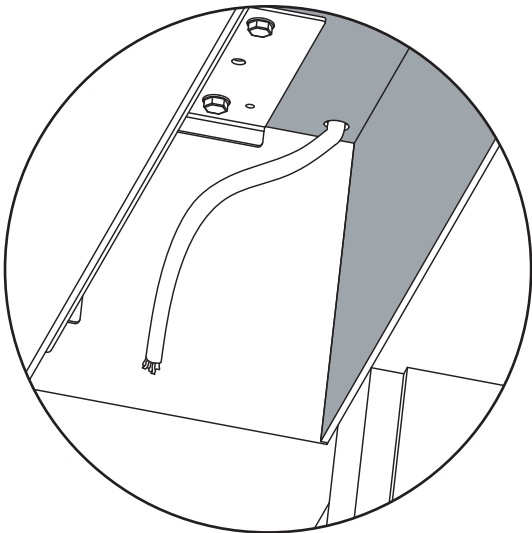
Determine where to drill for cable access into pocket. See options below.

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

Note: Hole diameter should be large enough to allow adjustment of pocket during installation without pinching the wire.

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

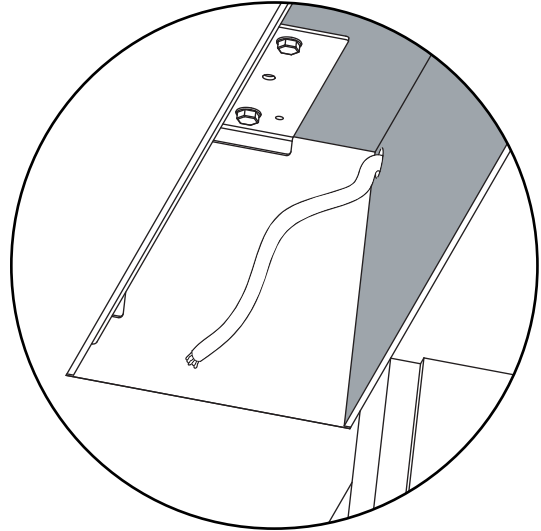
Ceiling



Ceiling

Drill for cable 1/2" (13mm) from end of pocket and 1/2" (13mm) from back of pocket.

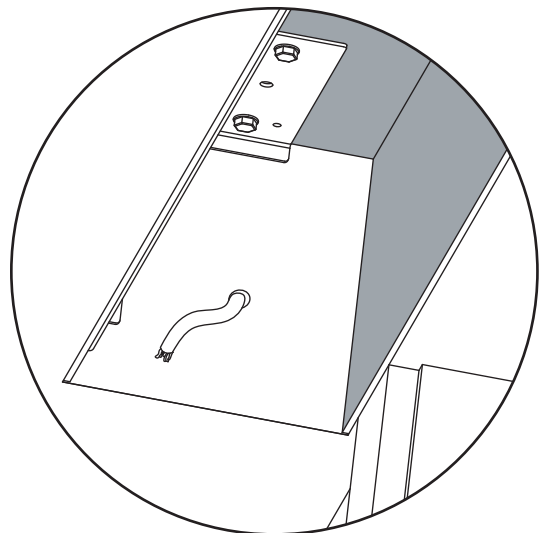
Wall



Wall

Drill for cable 1/2" (13mm) from end of pocket and 1/2" (13mm) from top of pocket.

Jamb



Jamb

Drill for cable 3-3/4" (95mm) from top of pocket and 2" (51mm) from back of pocket.

2

Pre-drill Pocket for Cable Run Continued



Caution:

When installing top/backcover, pocket, or headrail with a motorized window shade the following steps must be completed.

2.2

Description

When installing top/backcover, pocket, or headrail with a motorized window shade, a grommet must be used to protect the power wire if it is run through the cover. This will prevent the wire insulation from being cut by any sharp edges caused by drilling the top/backcover, pocket, or headrail.

Installation of grommet

1. Insert the enclosed grommet into the hole (be sure it is completely inserted into the hole).
2. Run the power wire through the grommet and finish the installation as per the installation instructions enclosed with your unit.

Figure A

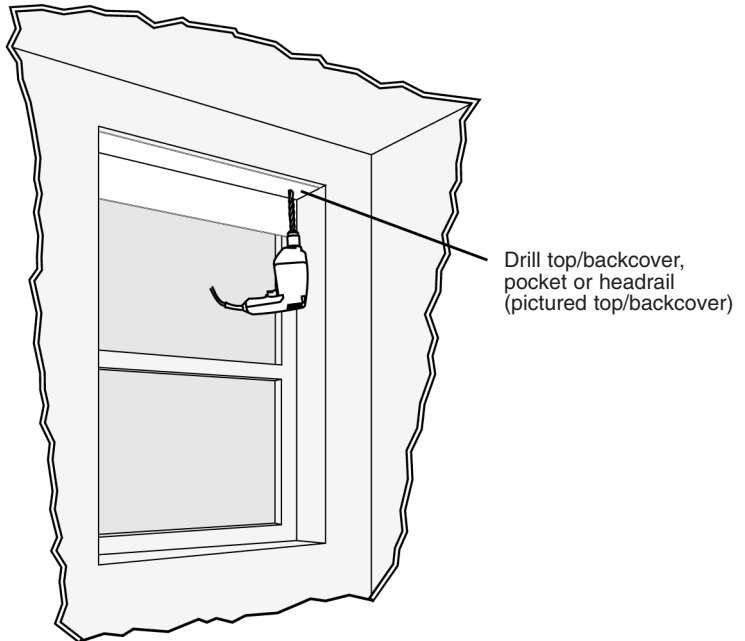
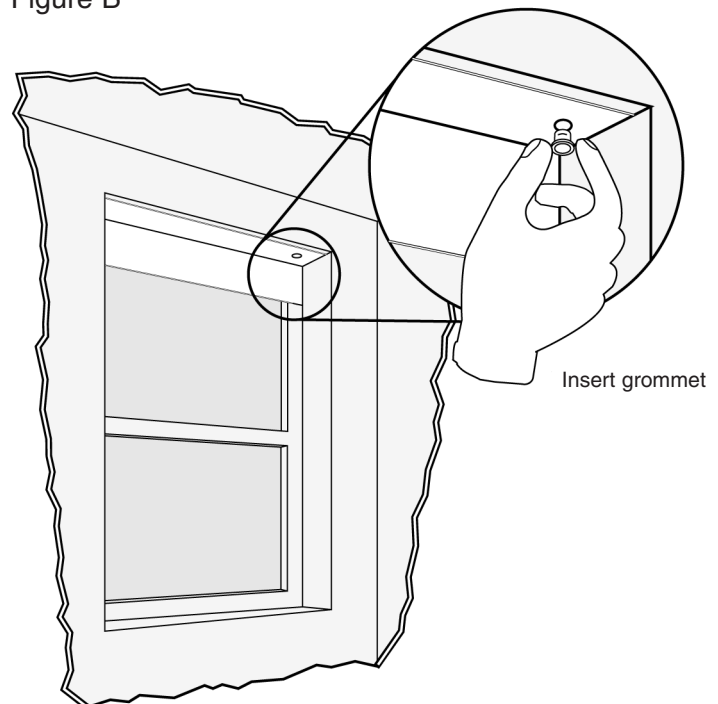


Figure B



3

Mount Pocket

3.1

If endcaps are being used, slide them in the ends of the pockets.

Endcaps should only be used if the pocket ends will be exposed.

3.2

Mount pocket securely using appropriate fasteners.

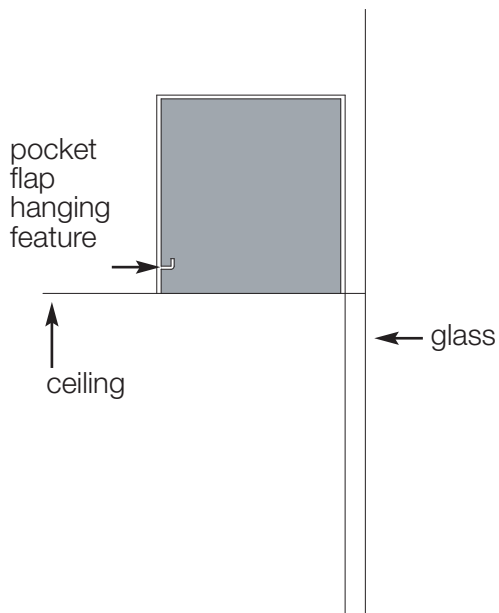
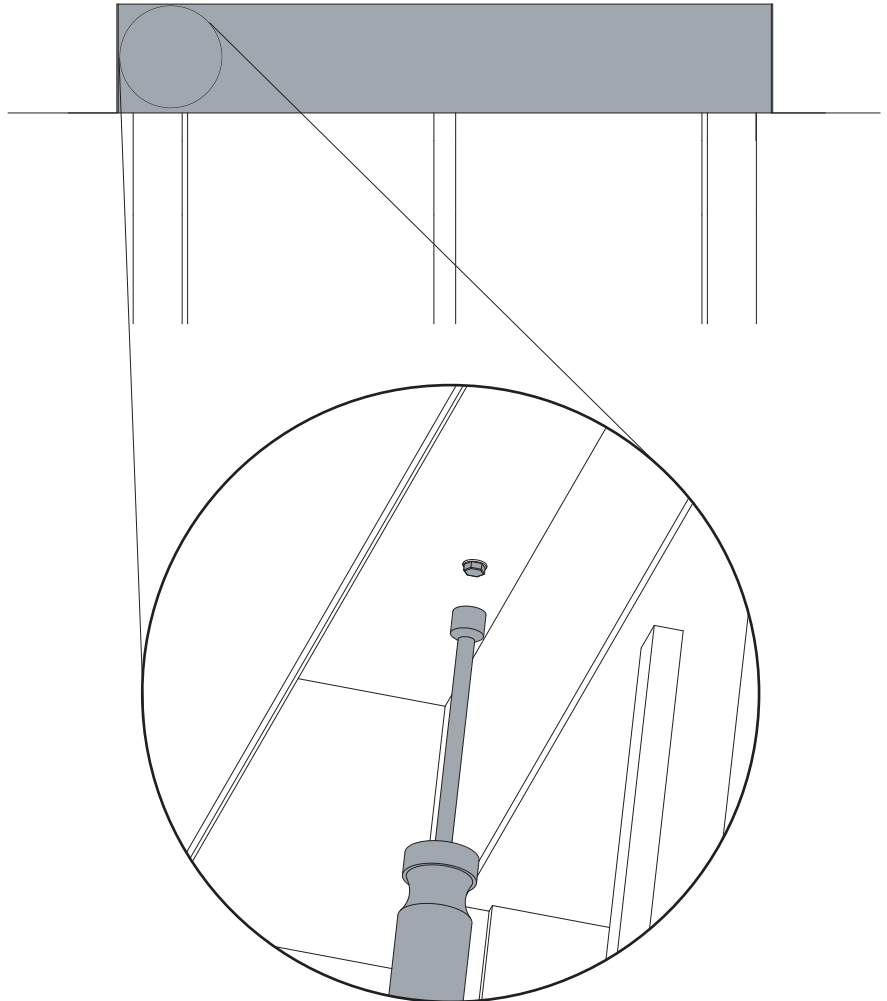


WARNING:

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

Screws must be at least 6" (152mm) inside fabric width to avoid sub-brackets.

Confirm pocket flap hanging feature is on side opposite of glass before tightening screws.

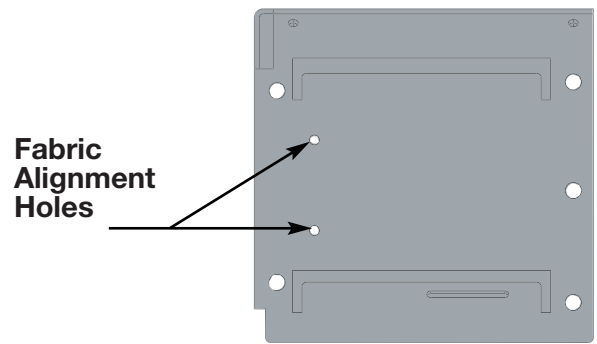
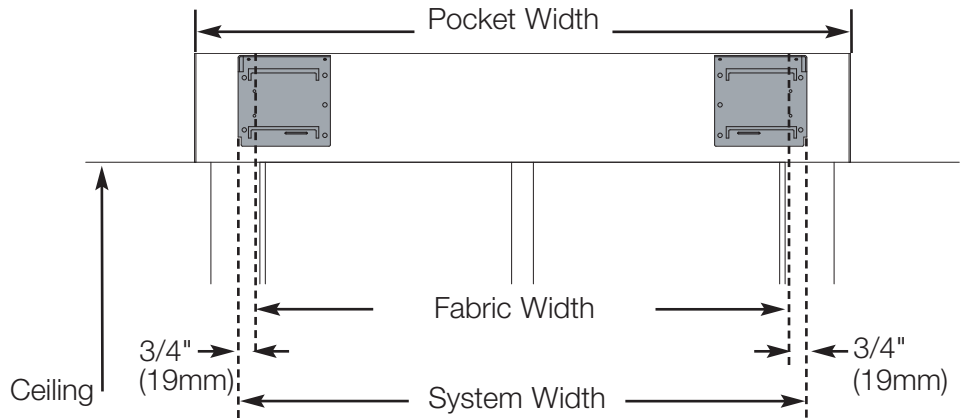


4 Mount Sub-Brackets

4.1

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

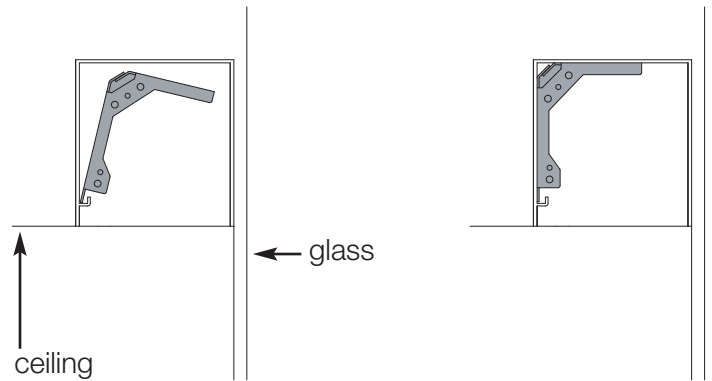


Sub-Bracket detail

4.2

Once their position has been established, insert sub-brackets by hooking their lower edges behind notch in pocket surface.

If endcaps are being used, they must be installed prior to sub-brackets.



Finished Position

4

Mount Sub-Brackets (continued)

4.3

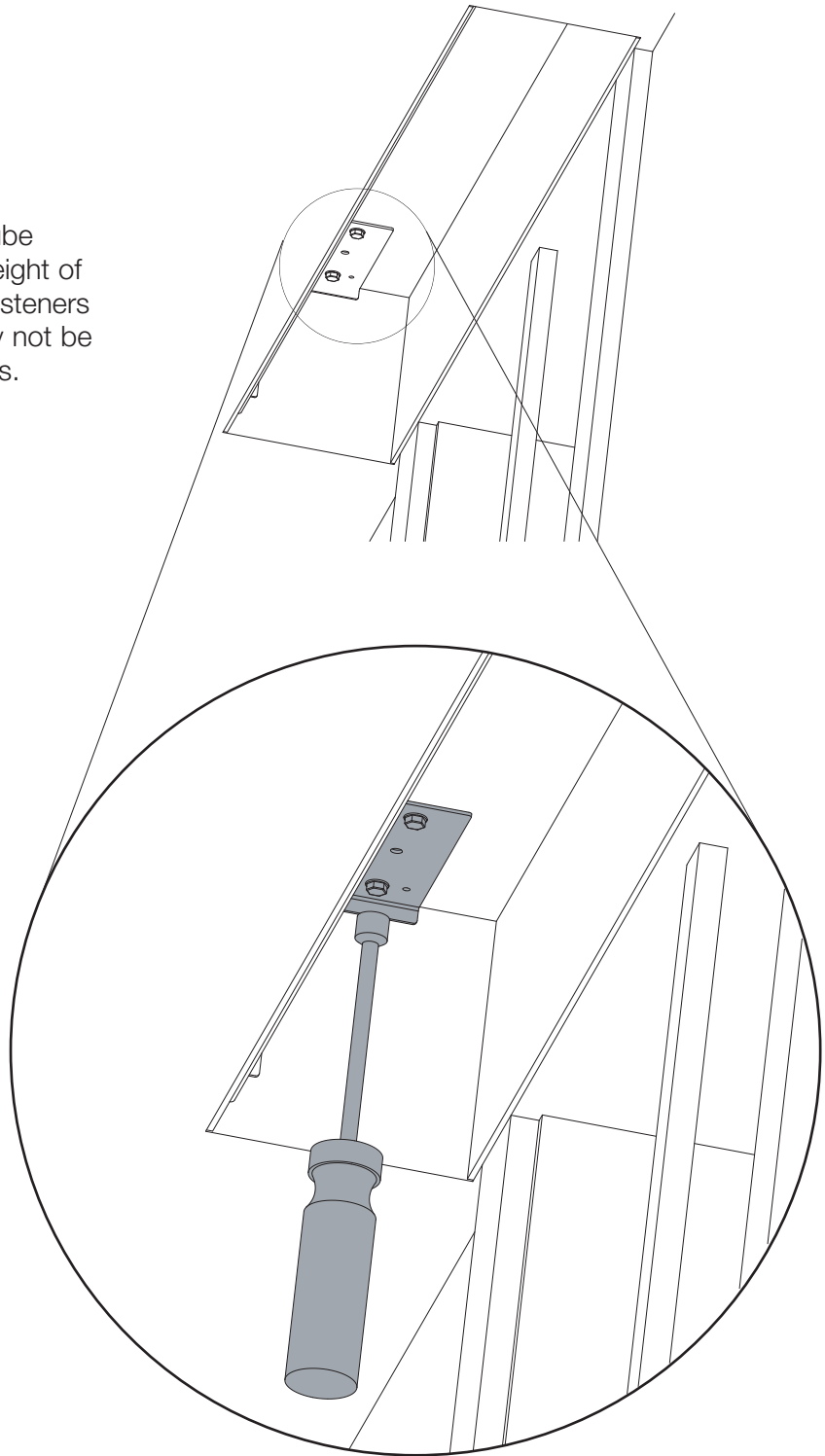
Mount sub-brackets using appropriate fasteners.



WARNING:

The sub-brackets for each shade tube should be mounted to support a weight of at least 300 pounds (196kg). The fasteners provided with the sub-brackets may not be appropriate for use in all applications.

If pocket width equals system width, mount the outside edge of both sub-brackets flush with pocket edges.

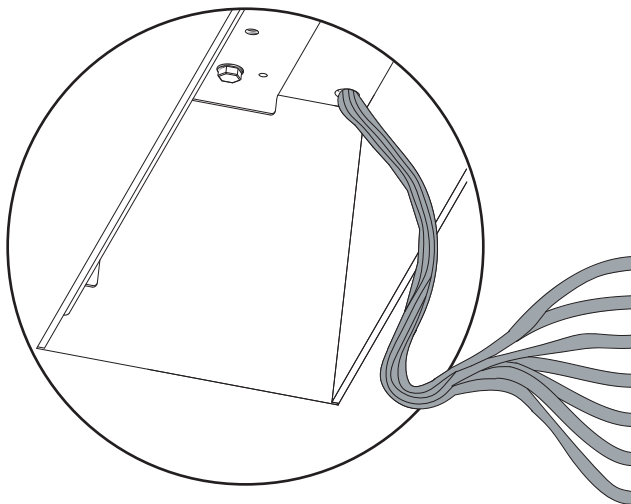


5

Wire 7-pin Terminal Block

5.1

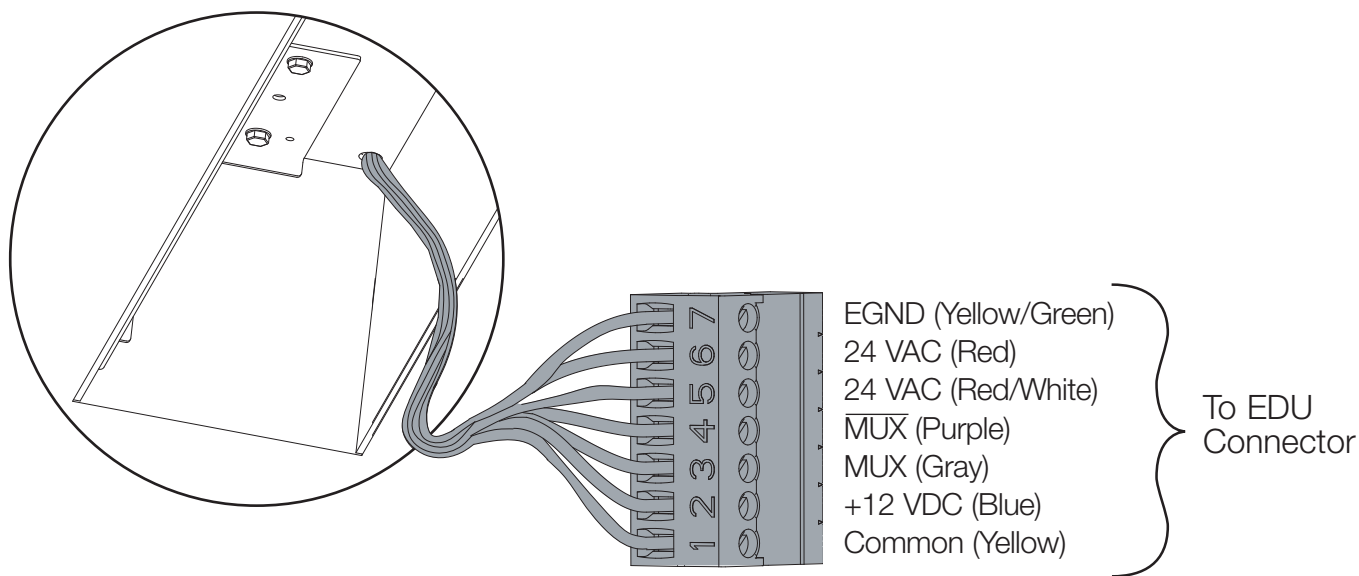
Strip jacket off cable of entire length of exposed cable. (12-18" or 305-457mm)



5.2

Wire the 7-pin terminal block (provided) to the cable.

Note: SVQ-CBL-250 shown



6

Mount Shade to Sub-Bracket



WARNING:

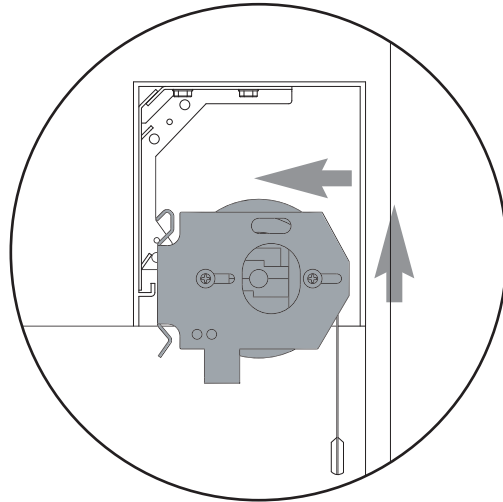
Shades wider than 4ft (1.2m) require two people to install.

Note: If installing a coupled shade system, install the shade with the EDU first.

6.1

Remove retaining screws from shade brackets.

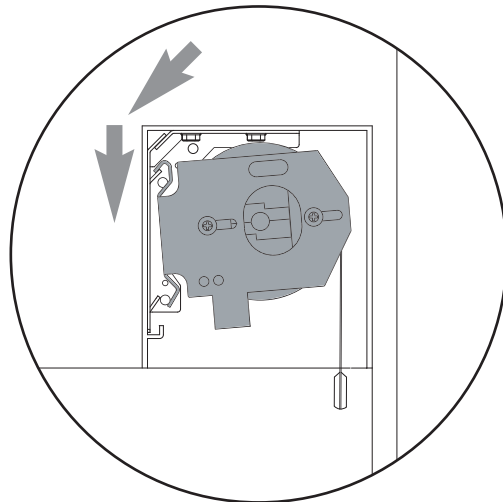
Note: Leave protective wrapping on shade during installation.



6.2

Lift shade up into pocket. Hook the lip of each shade bracket onto the top of each sub-bracket.

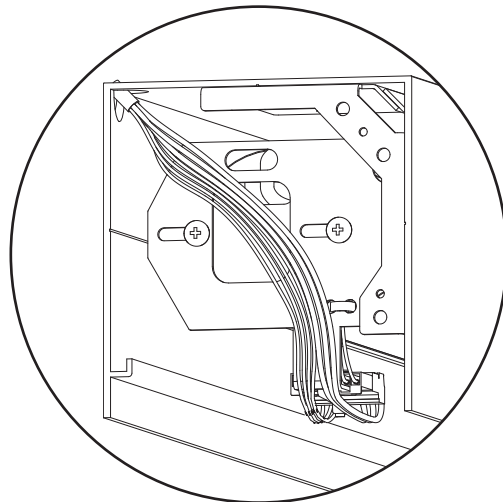
Note: Partial cutaway shown in pocket.



6.3

Swing shade down until bottom of shade brackets rest against sub-brackets.

Note: Ensure cable is kept outside the shade bracket.



6.4

Final Position - Note placement of cable.

7 Center and Secure Shade

7.1

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.

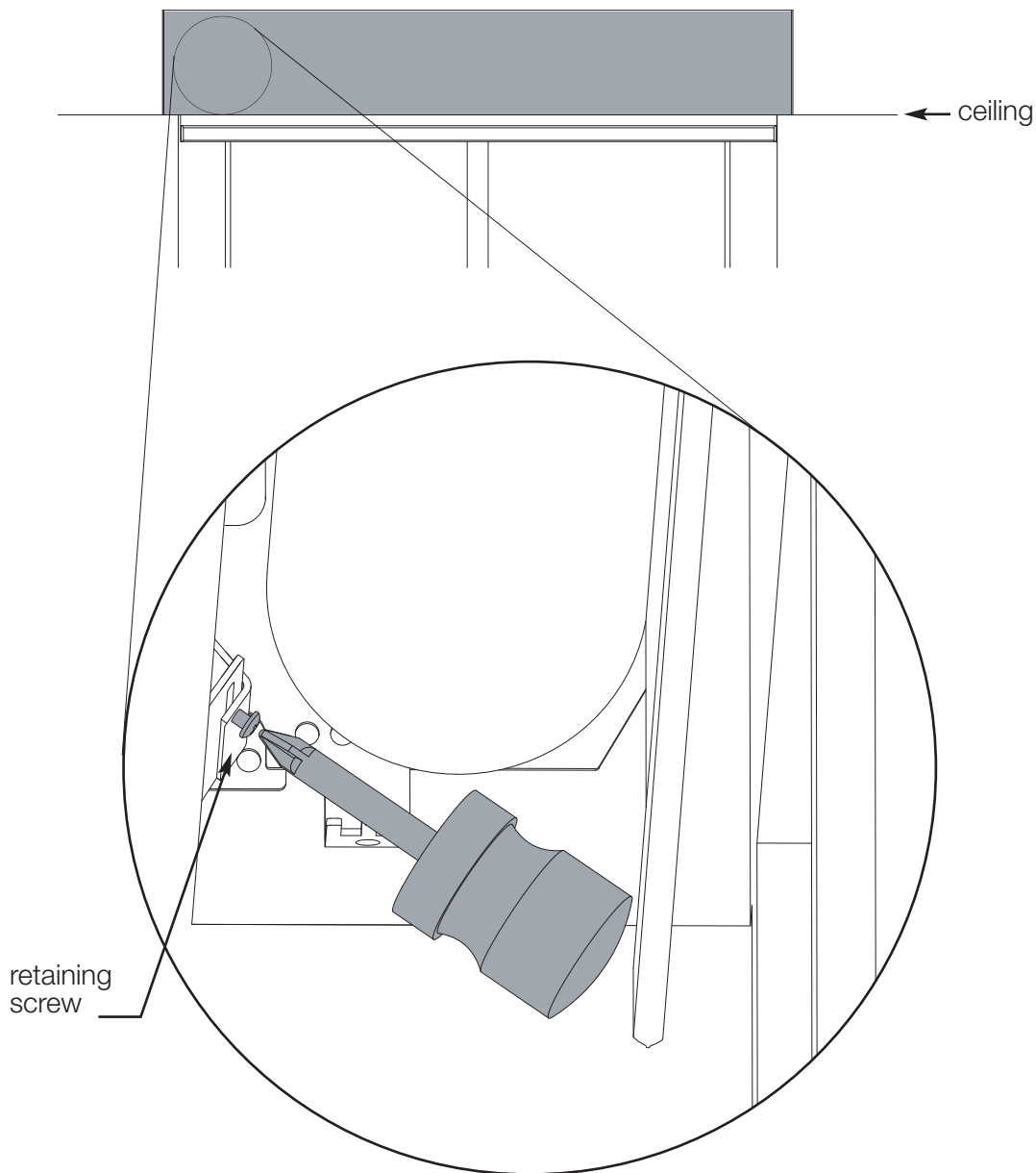
7.2

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



WARNING:

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

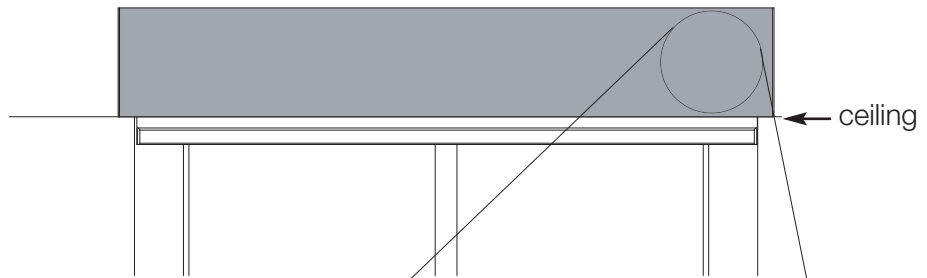


8

Adjust Shade Level

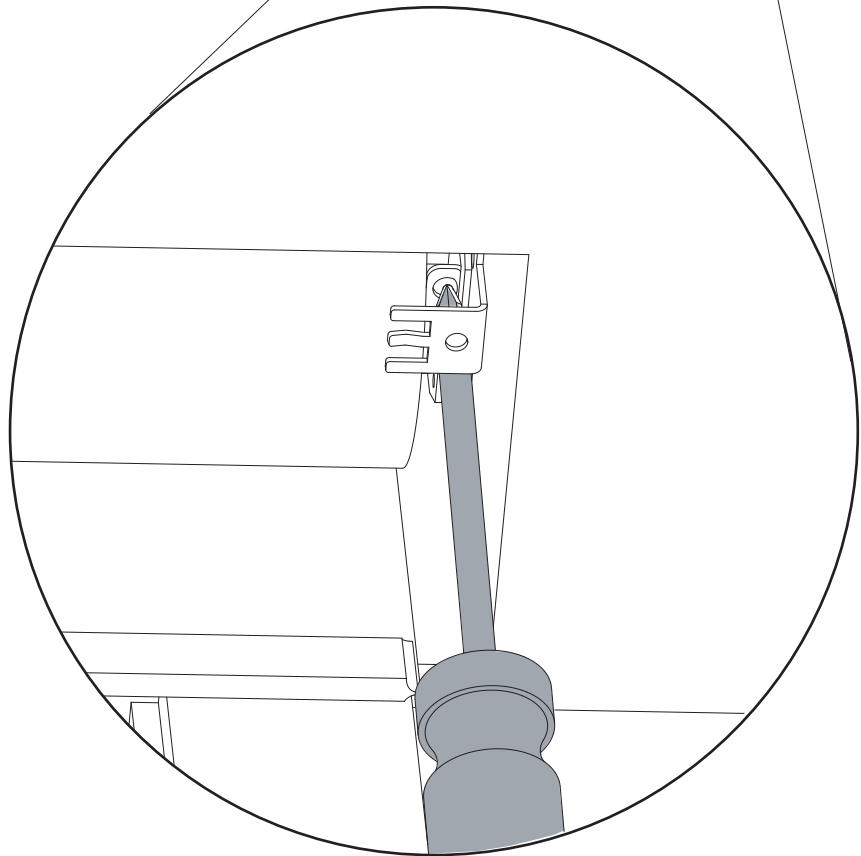
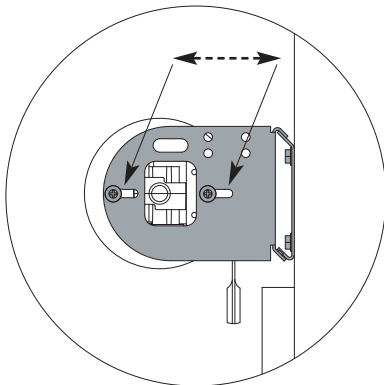
8.1

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



8.2

Adjust shade projection from window so that it clears any window trim or hardware when operating. It may be necessary to remove the shade from the pocket to make this adjustment.



8.3

Confirm roller tube turns freely without rubbing on pocket.

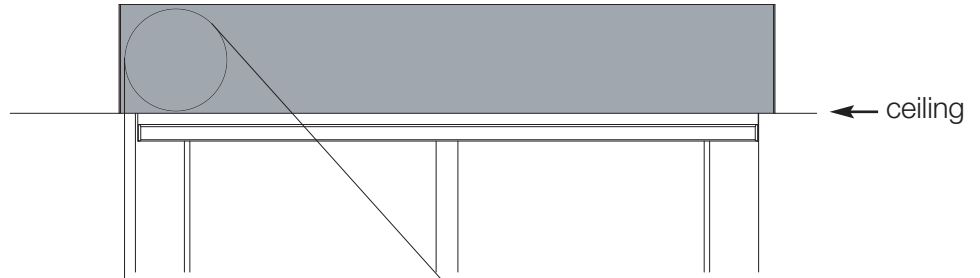
9

Connect Terminal Blocks

9.1

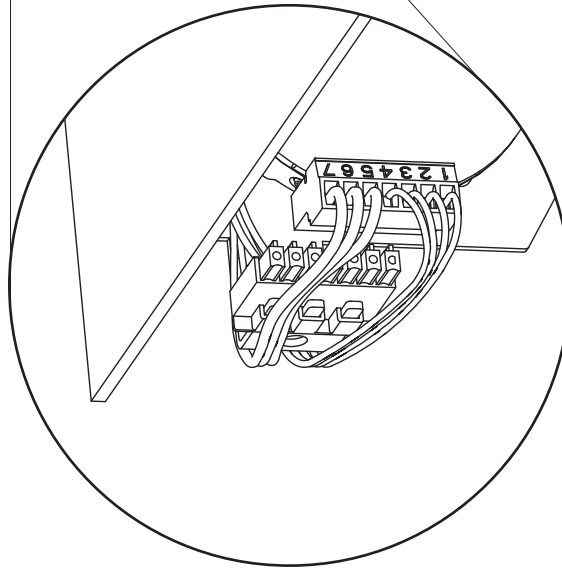
Plug 7-pin terminal block on cable into EDU terminal block attached to shade bracket. Run wires beneath terminal blocks.

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



9.2

Ensure terminal blocks are oriented as shown.



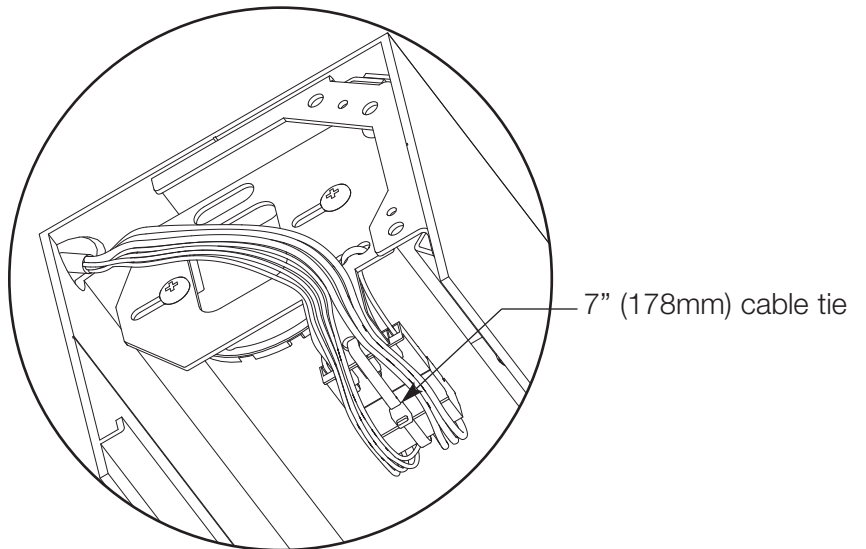
9.3

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



9.4

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



10

Infrared Receiver Connection (if applicable)

10.1

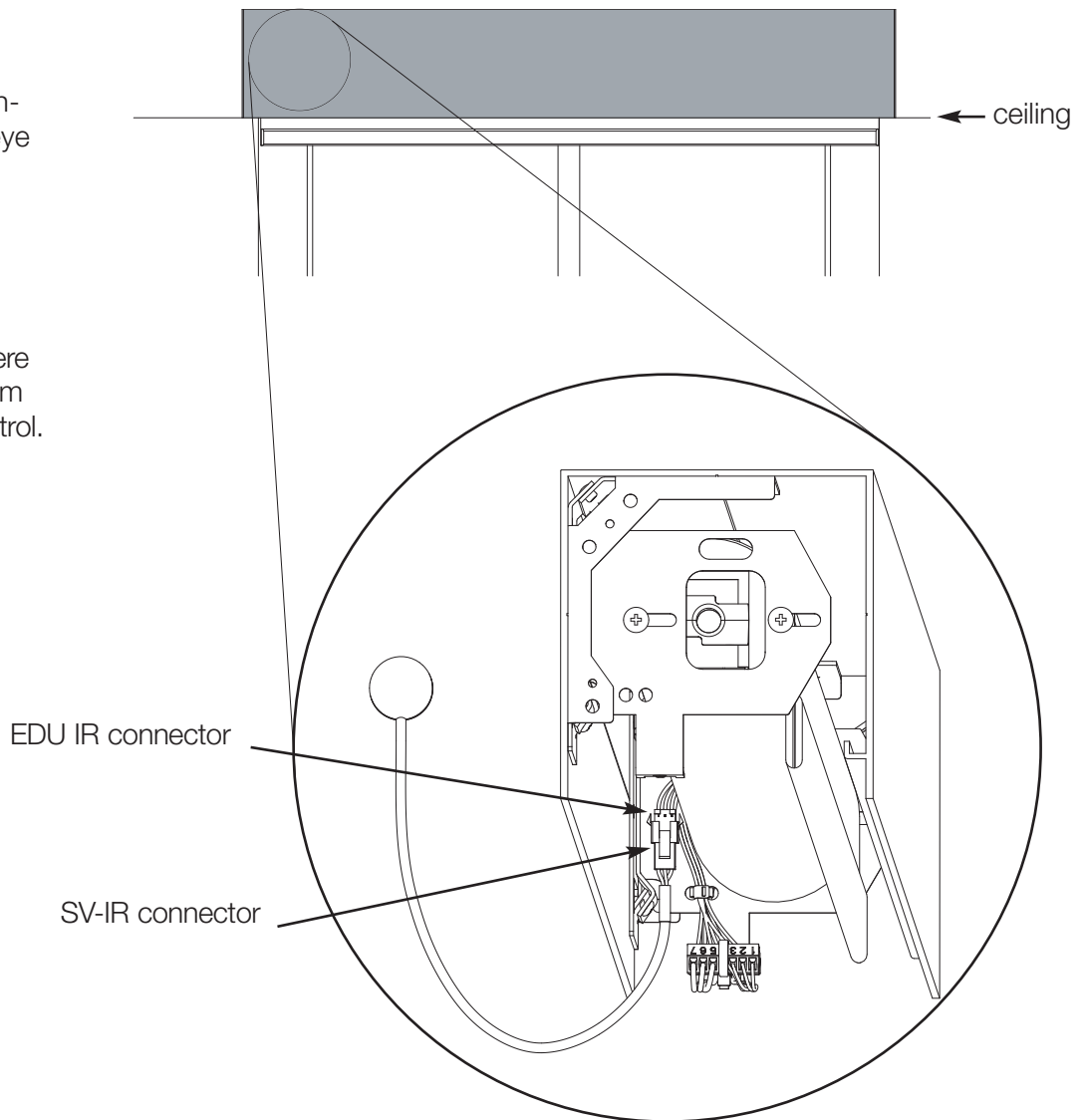
Plug in EDU IR connector to remote eye connector (SV-IR).

10.2

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

10.3

Ensure IR connector does not rub on shade.




11 Programming Setting Limits from the EDU

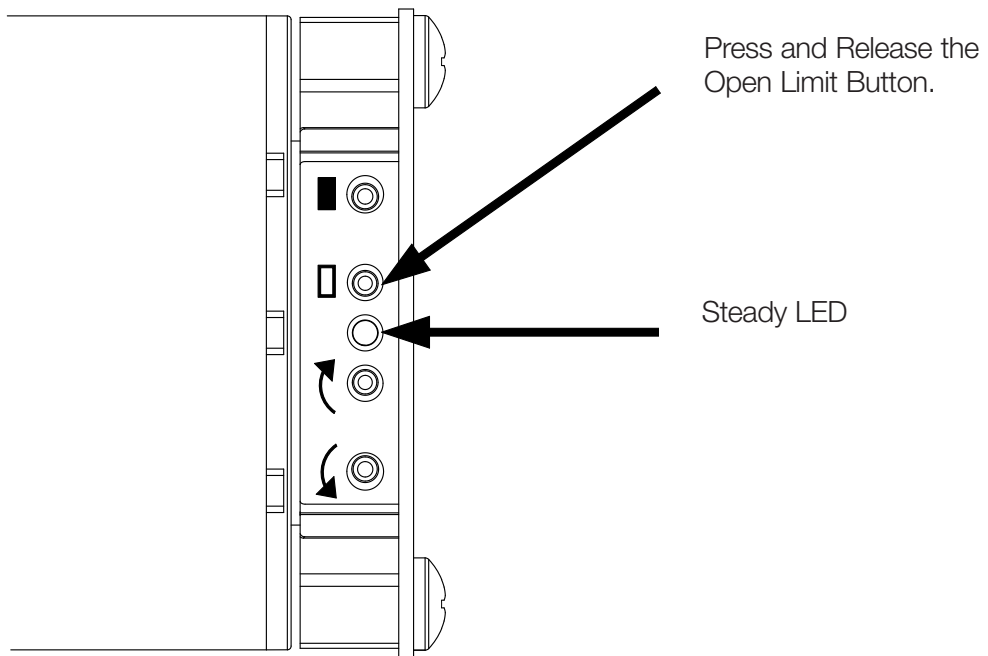
The Open and Close Limits determine how far an EDU will travel. When the open button is pressed on a Keypad, IR transmitter, or CCI, the EDU will move to the Open Limit. When the close button is pressed on a keypad, IR transmitter, or CCI, the EDU will move to the Close Limit. The EDU will not move higher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

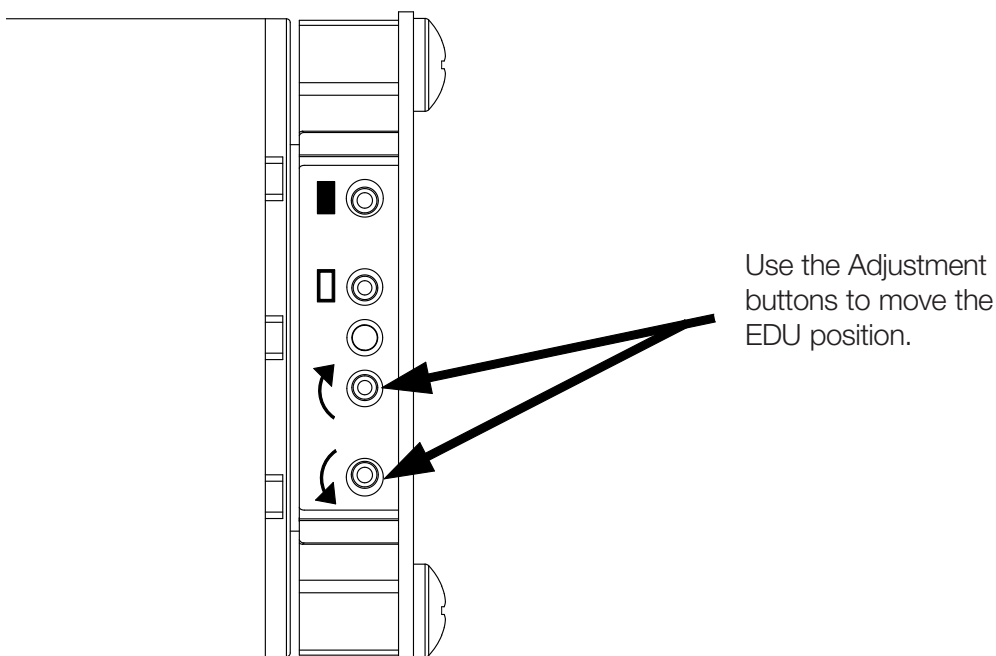
11.1

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".



11.2


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

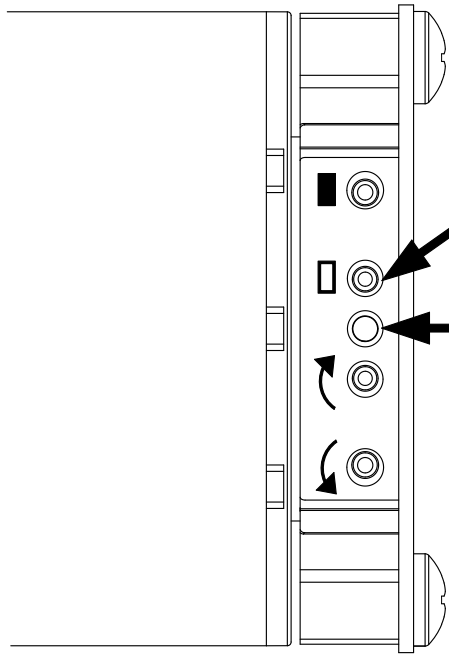


11 Programming Setting Limits from the EDU (continued)

Setting the Open Limit from the EDU

11.3

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.




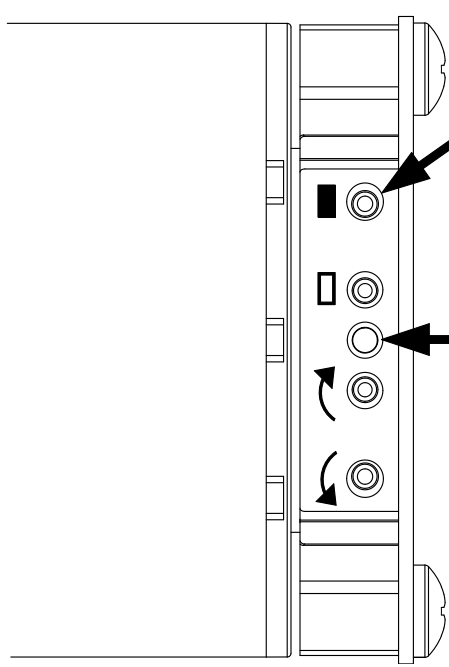
Press and hold the Open Limit Button for 5 seconds.

Flashing LED

Setting the Close Limit from the EDU

11.4

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”.



Tap the Close Limit Button.

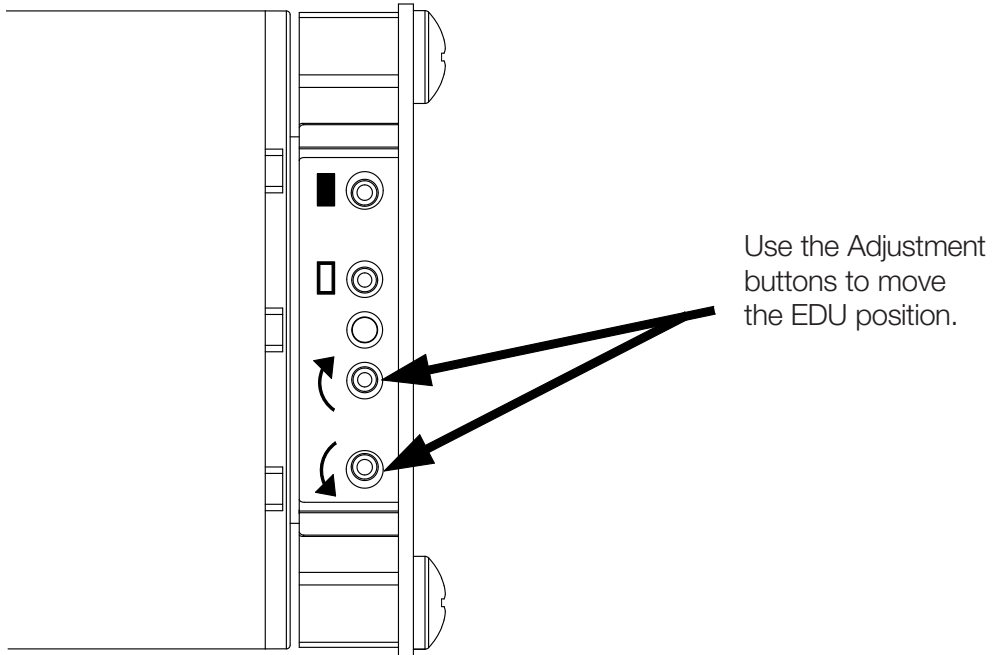
Steady LED

11 Programming Setting Limits from the EDU (continued)

Setting the Close Limit from the EDU

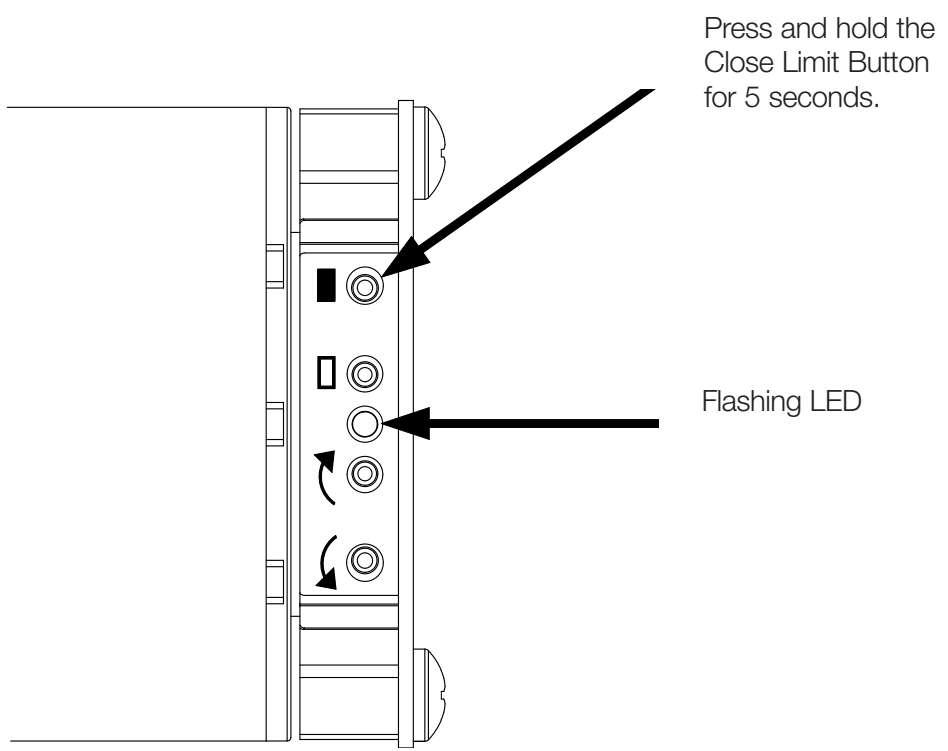
11.5

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



11.6

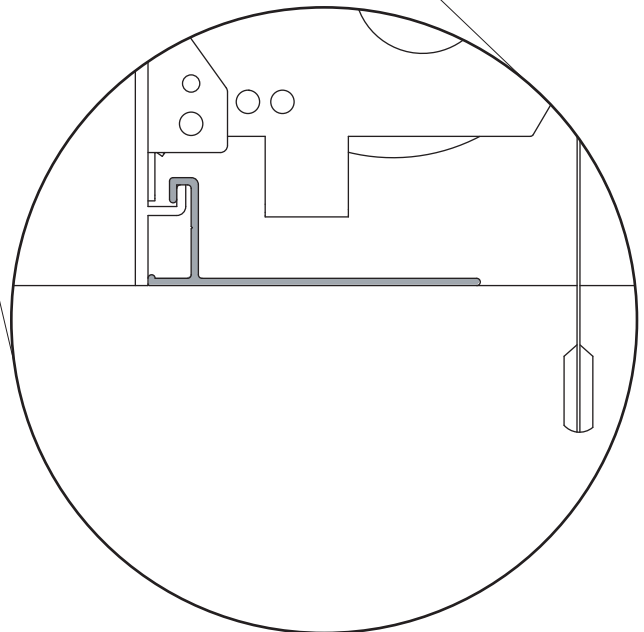
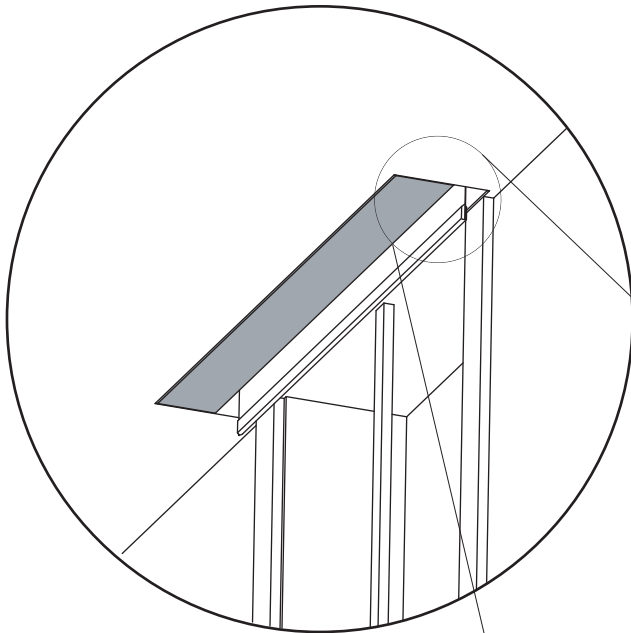
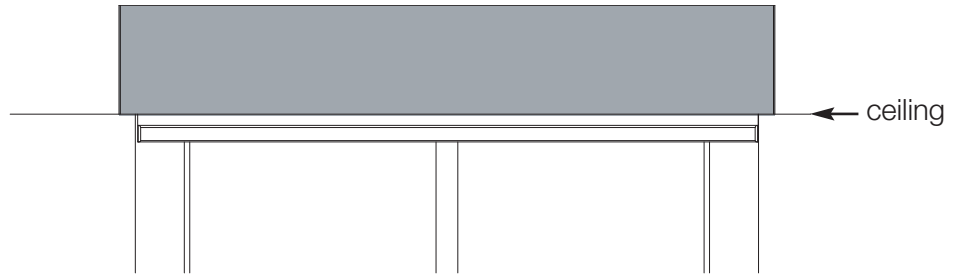
Press and hold the “Close Limit Button” (■) for 5 seconds. The LED on the roller shade EDU will flash for 2 seconds, then go dark, indicating that the current position has been stored as the Close Limit.



12 Install Pocket Flap

12.1

Hang pocket flap by lifting it up into pocket. Slide it forward to hook it on the front of the pocket.



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.
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.

14 Troubleshooting

Symptom

EDU will not move...

Solution

...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...

...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...

...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...

...Center shade using center adjustment.
...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.
...Batteries are not providing power, replace them.
...IR receiver not properly oriented.
