

1 Prepare to Install

CAUTION: RISK OF FALLING OBJECTS. Securely install the shade system per the mounting instructions. Failure to do so could result in minor or moderate injury

Important Notes

Please Read Before Installing

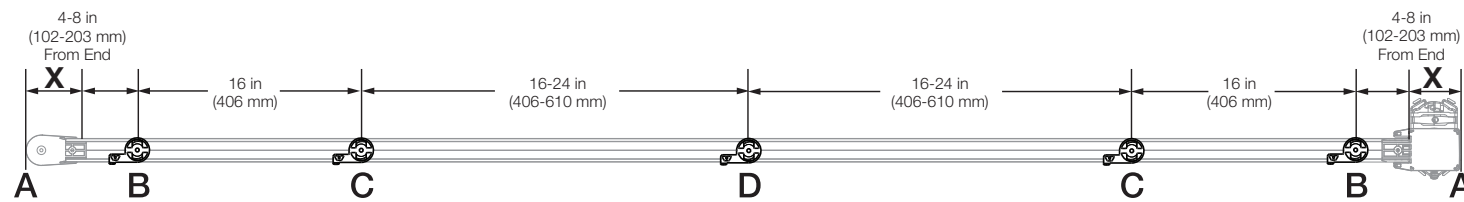
- A.** Lutron systems are intended for use with only Lutron hardware and power supplies.
- B. Codes:** Install in accordance with all local and national electrical codes.
- C. Environment:** Ambient operating temperature: 32 °F - 104 °F (0 °C - 40 °C), 0 - 90% humidity, non-condensing. Indoor use only.
- D.** Plan the installation to maintain sufficient clearance between the moving drapery and any object, including window hardware, cranks, lock levers, and stationary drapery.

1.1 Tools required:

- Tape measure
- Small flat-blade screwdriver
- #1 Phillips screwdriver
- #2 Phillips Screwdriver
- Power drill and drill bits
- Level
- Pliers
- 3/32 in hex key (included w/recess-mount system)

2 Ceiling-Mount (for recess-mounting, proceed directly to section 3)

2.1 Fasten the ceiling-mount cam locks to the ceiling:



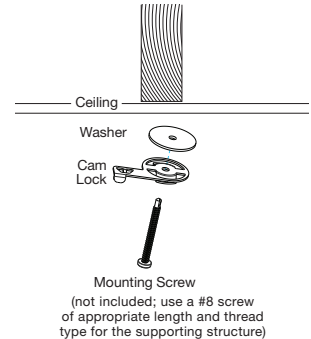
- A. Hold the drapery track up to the ceiling, and position it where it will be installed. Verify it is parallel to the window or wall, and use a pencil to make a mark on the ceiling at each end.
 - B. Mount a cam-lock within 8 in (200 mm) of each end-mark made in Step 2.1.A.
 - C. Mount the next cam-locks 16 in (400 mm) inward from those mounted in Step 2.1.B.
 - D. Space the remaining cam-locks 16-24 in (406-610 mm) apart. For non-sheer drapery panels, a 16 in (406 mm) spacing is recommended between brackets at stackback location(s).
- NOTE:** The ceiling mount cam-locks must be mounted in a straight and level line. If the contour of the ceiling is not straight and level, use shims (not included) between the cam-lock bracket and the ceiling to compensate for irregularities.

2.2 Mount the drapery track in the cam-locks:

- A. Rotate all of the cam-lock lever arms to the unlocked position.
- B. Position the track up against the cam-locks. Starting from the center of the track and working toward the ends, rotate each cam-lock lever arm to the locked position, until its tab is against the track.
- C. Skip Recess-Mount sections 3 and 4, and proceed to section 5 Installing the Electronic Drive Unit (EDU).



Cam Lock Mounting



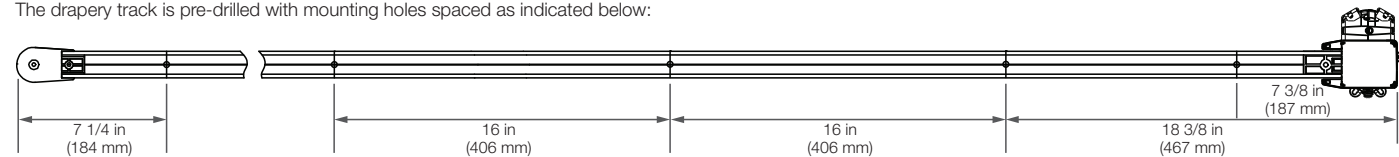
3 Recess-Mount: Prepare the Drapery Track:

A drapery track with recess-mount brackets can be installed into a structural member using wood screws. Ensure the structural member is of sufficient strength to support the combined weight of the drapery track, EDU, and fabric.

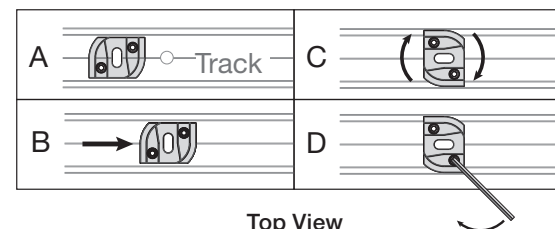
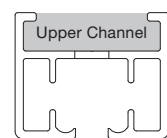
IMPORTANT: If no appropriate structural member is available at the mounting location, it is the responsibility of the installer to ensure blocking is added as needed to safely support the load.

3.1 Prepare the drapery track for mounting:

The drapery track is pre-drilled with mounting holes spaced as indicated below:

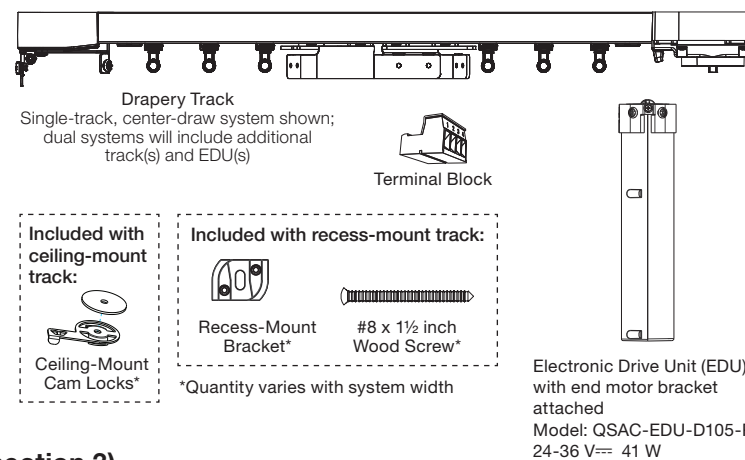


- A. Insert a recess-mount bracket into the track's upper channel.
- B. Align its center hole with a mounting hole in the drapery track. Temporarily insert a mounting screw through both holes to maintain their alignment.
- C. Rotate the recess-mount bracket 90°.
- D. Secure the recess-mount bracket using the 3/32 in Allen key provided to tighten both set screws. Remove the mounting screw from the center hole.
- E. Repeat steps 3.1.A through 3.1.D to install a recess-mount bracket at each mounting hole location along the entire width of the drapery track.



Top View

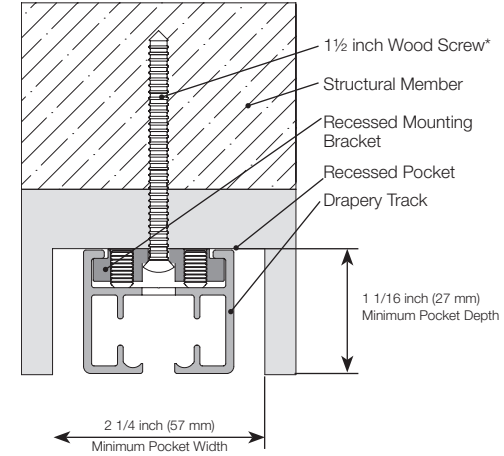
1.2 System Components:



4 Recess-Mount: Mount the Drapery Track:

4.1 Mount the drapery track:

- A. Position the drapery track in the desired location.
- B. Insert the 1 1/2 inch wood screw provided through the hole in the track and recessed mounting bracket, and into a structural member in the ceiling, as shown.
- C. Repeat for all mounting holes in the drapery track

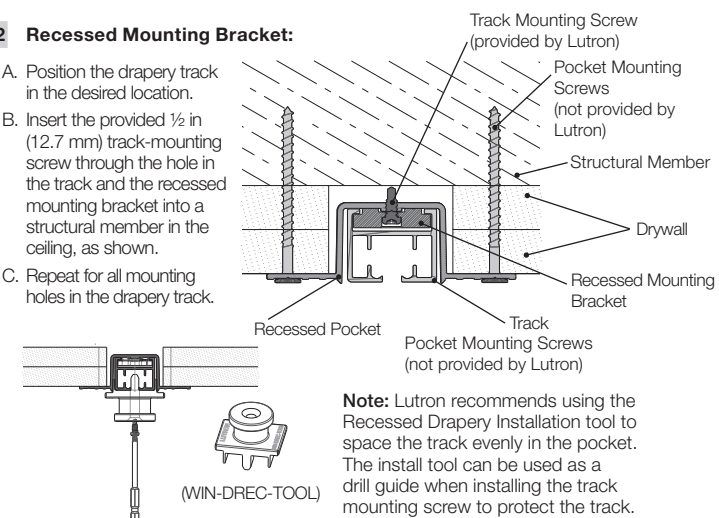


- NOTE:** Ensure the depth of the pocket does not interfere with drapery fabric.

*The wood screws provided are appropriate for driving into wooden structural members only. It is the responsibility of the installer to select and install fasteners that are appropriate for the supporting structure.

4.2 Recessed Mounting Bracket:

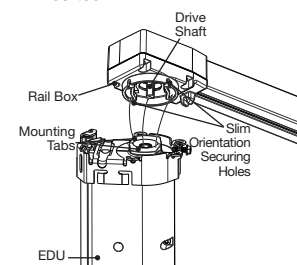
- A. Position the drapery track in the desired location.
- B. Insert the provided 1/2 in (12.7 mm) track-mounting screw through the hole in the track and the recessed mounting bracket into a structural member in the ceiling, as shown.
- C. Repeat for all mounting holes in the drapery track.



5a Installing the EDU in Slim Orientation (Recommended for Fold Style Drapery)

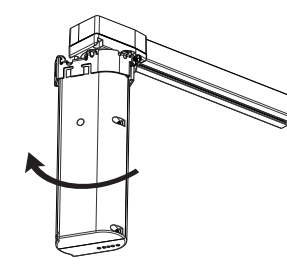
5.1 Insert

- A. Insert the EDU mounting flange into the rail box by aligning the mounting tabs and drive shafts.
- B. Push the EDU into the railbox until the mounting tabs are fully inserted.



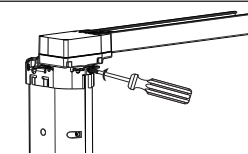
5.2 Rotate

- Rotate the EDU inside the mounting flange and align the desired holes for the securing screw on the motor bracket. Ensure the wire harness is not pinched.



5.3 Secure

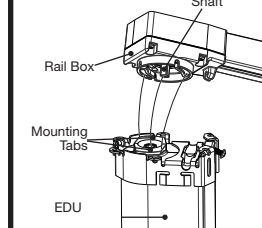
- Install the securing screw.
- NOTE:** The securing screw is necessary to safely secure the EDU. Verify that it is installed and tightened before operating the drapery.



5b Installing the EDU in Original Orientation

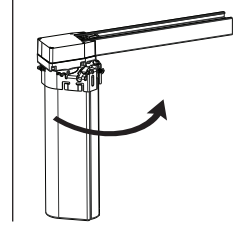
5.1 Insert

- A. Insert the EDU mounting flange into the rail box by aligning the mounting tabs and drive shafts.
- B. Push the EDU into the railbox until the mounting tabs are fully inserted.



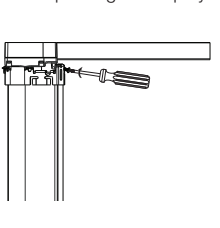
5.2 Rotate

- Rotate the EDU inside the mounting flange and align the holes for the securing screw. Ensure the wire harness is not pinched.



5.3 Secure

- Install the securing screw.
- NOTE:** The securing screw is necessary to safely secure the EDU. Verify that it is installed and tightened before operating the drapery.

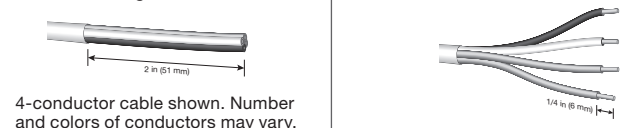


6 Basic Wiring

6.1 Prepare the cable:

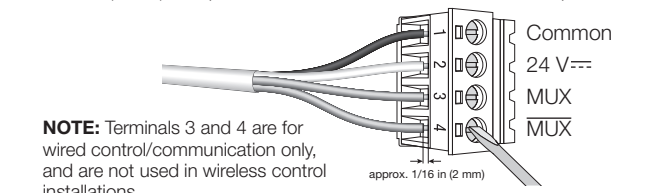
WARNING: SHOCK HAZARD. Lock the supply breaker in the OFF position, or remove fuse, before wiring to terminal block. Failure to do so could result in death or serious injury.

- A. Strip 2 in (51 mm) of outer jacket off cable coming from the wall.
- B. Strip 1/4 in (6 mm) insulation off each individual wire.



6.2 Wire the 4-pin terminal block:

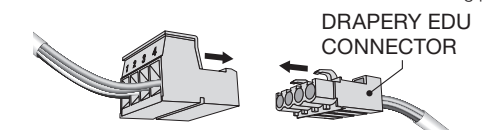
Wire the 4-pin terminal block (provided) to the cable using a small, flat-blade screwdriver to tighten screws securely on the exposed wire. Leave approximately 1/16 in (2 mm) of exposed conductor to ensure insulation is not pinched.



6.3 Connect the EDU or RF Receiver (optional):

Connect the EDU connector and the 4-pin terminal block.

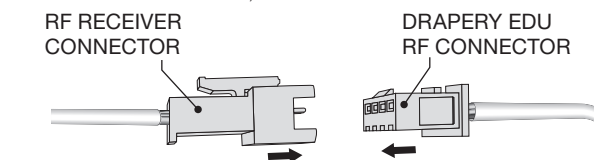
IMPORTANT: DO NOT supply power to the EDU until after the drapery fabric is installed. Follow the instructions in sections 7 and 8 on the following page.



NOTE: Arrange and secure the cables in a location that prevents them from interfering with moving parts.

For detailed system wiring, programming, and troubleshooting information, please refer to P/N 045314 Sivoia QS Wiring & Programming Guide

If an RF Receiver is installed, connect the RF Receiver to the EDU as shown below.



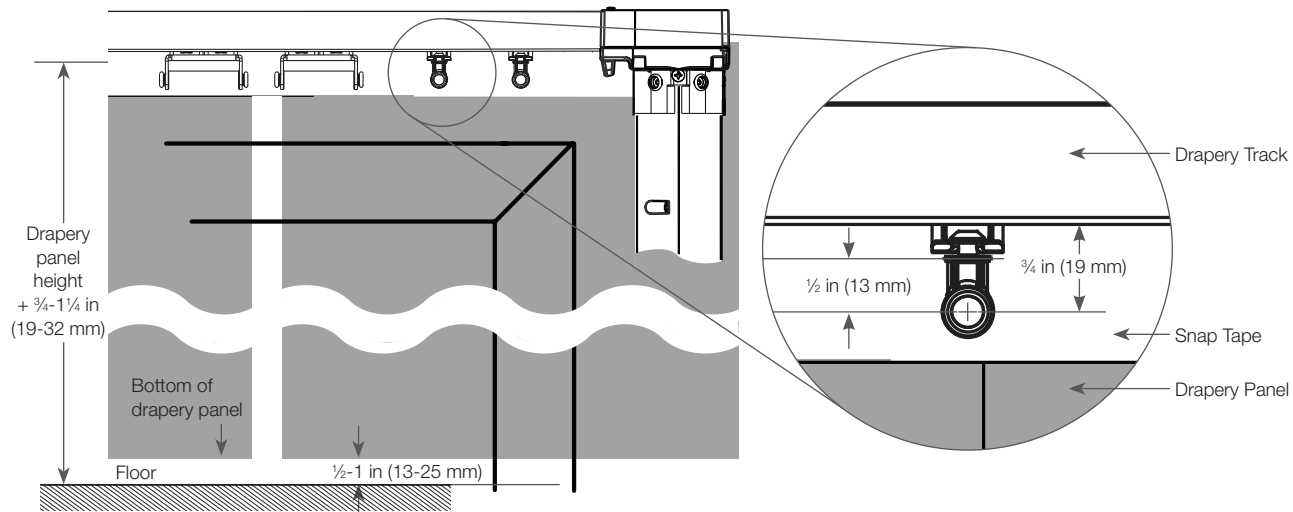
NOTE: Arrange and secure the cables in a location that prevents them from interfering with moving parts.

For Lutron RF Receiver installation information, please refer to P/N 045168 Sivoia QS Wireless Basic Wiring & Setup Guide

7 Hanging Drapery Fabric

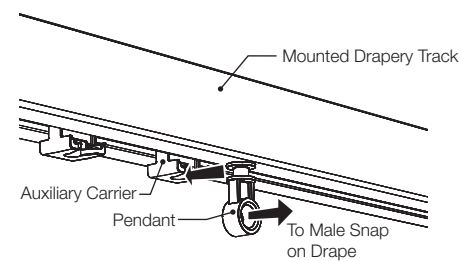
7.1 Drapery Panel Height

Drapes are typically sized so the bottom of the drapery track and top of the drapery panel are located 4 in (101 mm) above the window casing. Location may need to be adjusted to accommodate the specific drapery panel height and application. It is recommended that a space of ½-1 in (13-25 mm) be maintained between the bottom of drapery panel and the floor.

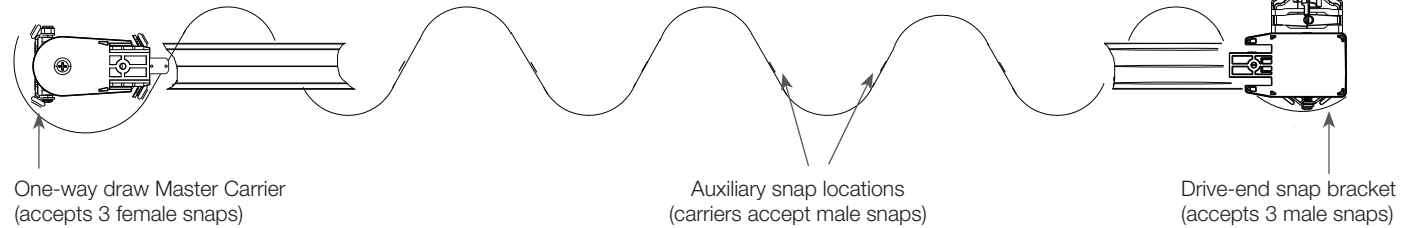


7.2 Attach the Drapery Panel

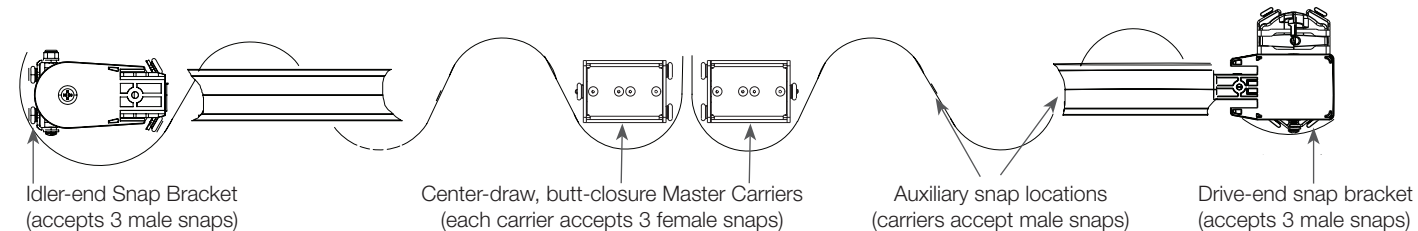
- Attach a pendant to each male auxiliary snap on the drape.
- Hang the pendant in the corresponding auxiliary carrier as shown.
- Fasten the remaining snaps to the drive/idler snap brackets and master carrier(s) according to the drapery configuration, following the appropriate example below, creating a ripple pattern as shown.



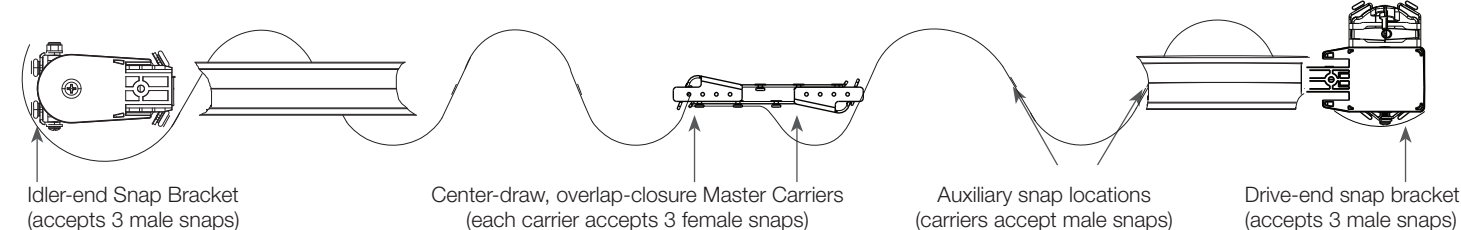
One-way draw



Center draw, butt-closure



Center draw, overlap-closure



8 Power Up the Drapery Drive and Set Limits

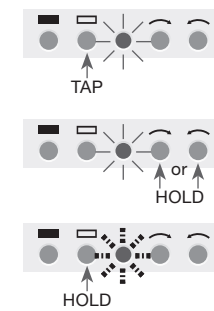
8.1 Power up the drive and set limits automatically using Pull-to-Start

- Manually move the drapery to the fully-open position.
- Connect the power supply to an appropriate power source. The LED on the EDU will flash a red/green pattern as the EDU powers up.
- Grasp the leading edge of the fabric panel and gently tug in the close direction, then release. The EDU will move the drapery to the fully-closed position.
- After the drapery stops in the fully-closed position, wait 5 seconds, then grasp the leading edge of the fabric panel and gently tug in the open direction, and release. The EDU will move the drapery to the fully-open position.
- The drapery is now ready to operate, with Open and Close Limits automatically learned and set at fully-open and fully-closed, respectively. To set custom Open and Close Limits, follow the steps in sections 8.2 and 8.3.

IMPORTANT: After a custom limit is set, the automatic limit-learning method described in step 8.1 becomes permanently unavailable.

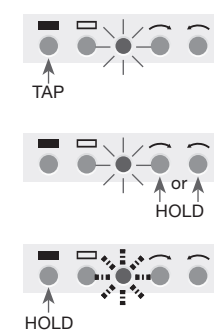
8.2 Setting a Custom Open Limit (OPTIONAL)

- Tap the button. The green LED illuminates.
- Use the Directional buttons (press and hold the one which moves the drapery in the desired direction) to move the drapery to the desired Open Limit position.
- Press and hold the button. The green LED flashes, then turns off. The Open Limit is set.



8.3 Setting a Custom Close Limit (OPTIONAL)

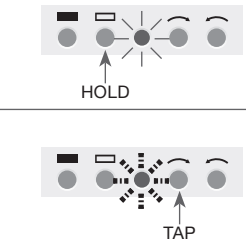
- Tap the button. The green LED illuminates.
- Use the Directional buttons (press and hold the one which moves the drapery in the desired direction) to move the drapery to the desired Close Limit position.
- Press and hold the button. The green LED flashes, then turns off. The Close Limit is set.



9 Assigning Drapery Drives to RF Controls

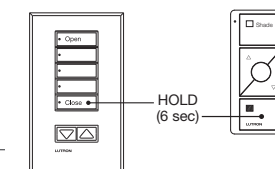
9.1 Placing One or More Drapery Drives in Assignment Mode

- Press and hold the button until the green LED flashes, then comes on solid.
- Tap the button. The green LED's on the drapery drive and on the wireless receiver will flash twice immediately, and every 4 seconds thereafter, the drive is now ready to be assigned to a control.
- Repeat for all drapery drives that are being assigned to the same control. To complete the assignment process, proceed to step 9.2.



9.2 Completing the Assignment Process

- Press and hold the Bottom button on the control for 6 seconds. The drapes will move a short distance in each direction, or "wiggle" one time. This confirms their drive(s) have been assigned to the control, and exits the control and drapery drives from assignment mode.
- Repeat steps 9.1 and 9.2-A to assign more drapery drives and/or additional controls.

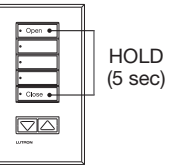


NOTE: Draperies can be assigned to multiple controls. To un-assign devices, see "Restoring Factory Default Settings".

10 Assigning Drapery Drives to Wired Controls

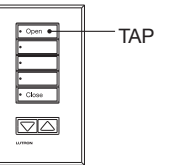
10.1 Enter Programming Mode

Press and hold the Open and Close button simultaneously for 5 seconds. Assigned drapes will close. Unassigned drapes will open.



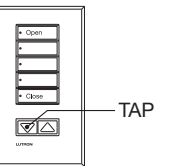
10.2 Select Drapery Drive

Tap the Open button. The selected drapery will move a short distance in each direction, or "wiggle" one time. (Tap the Open button again to cycle forward to the next drive. Tap the Close button to cycle backwards.)



10.3 Assign Drapery Drive

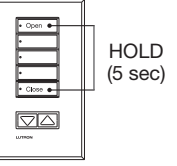
Tap the Lower Button to assign the selected drive. The selected drapery will move to its Close limit. This confirms it is now assigned.



10.4 Assign Additional Drapery Drives

10.5 Exit Programming Mode

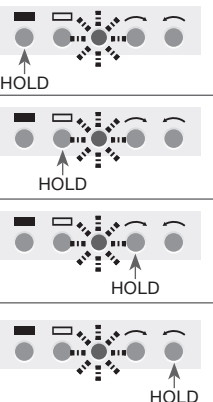
Press and hold the Open and Close button simultaneously for 5 seconds to exit the programming mode.



Restoring Factory Default Settings

This procedure will un-assign this drapery drive from all wireless controls, but will not affect the open and lower limit.

- Press and hold the button until the green LED flashes. Release.
- Press and hold the button until the green LED flashes. Release.
- Press and hold the button until the green LED flashes. Release.
- Press and hold the button until the LED flashes a multicolor sequence, indicating the factory default settings have taken effect. Release.



For detailed system wiring, programming, and troubleshooting information, please refer to P/N 045314 Sivoia QS Wiring & Programming Guide.

To find the meaning of LED blink codes, see: [lutron.com/TechnicalDocumentLibrary/Sivoia QS Shades.html](http://lutron.com/TechnicalDocumentLibrary/Sivoia_QS_Shades.html)

For warranty information, visit: [lutron.com/TechnicalDocumentLibrary/Window Systems Warranty.pdf](http://lutron.com/TechnicalDocumentLibrary/Window_Systems_Warranty.pdf)
For additional product information, visit: forums.lutron.com

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