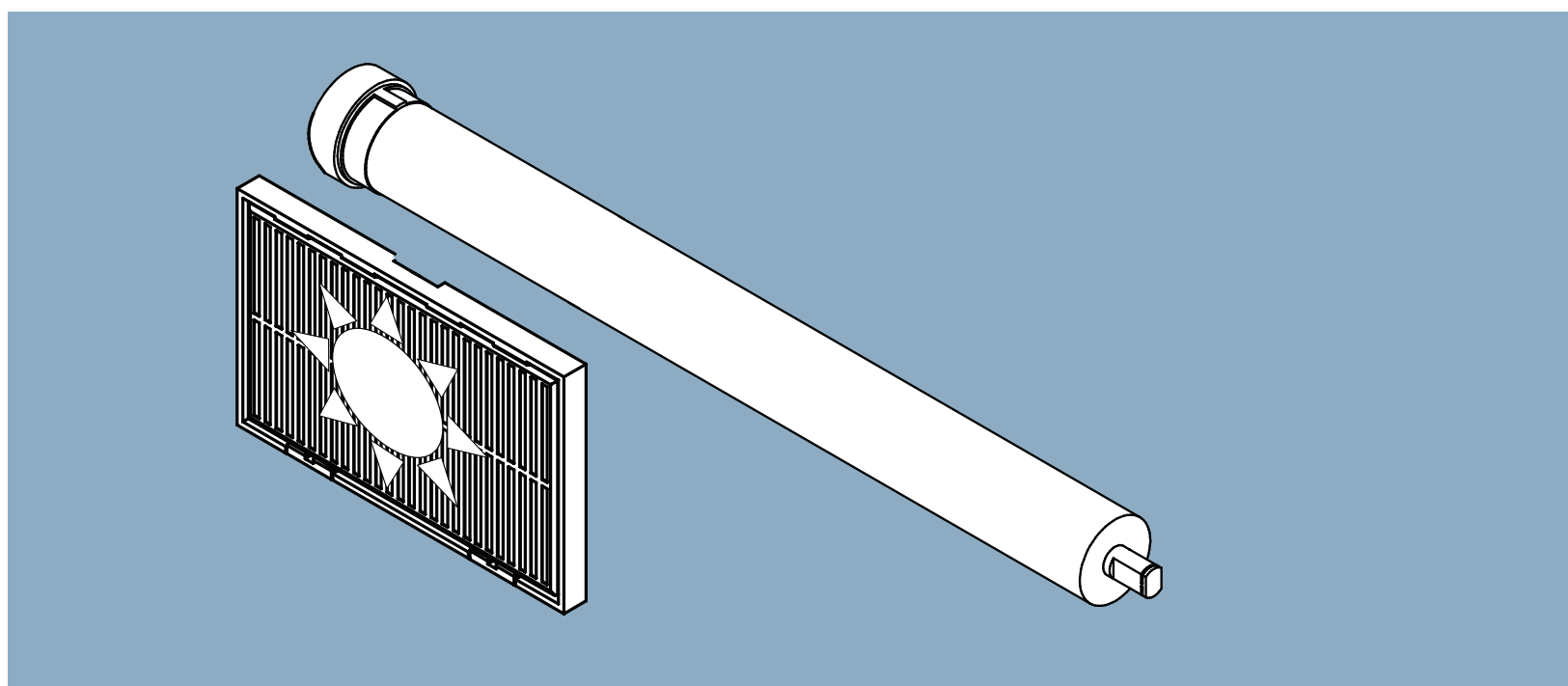




CASTELLANOS DRAPERY HARDWARE

M o t o r i z e d R o l l e r S h a d e S y s t e m s

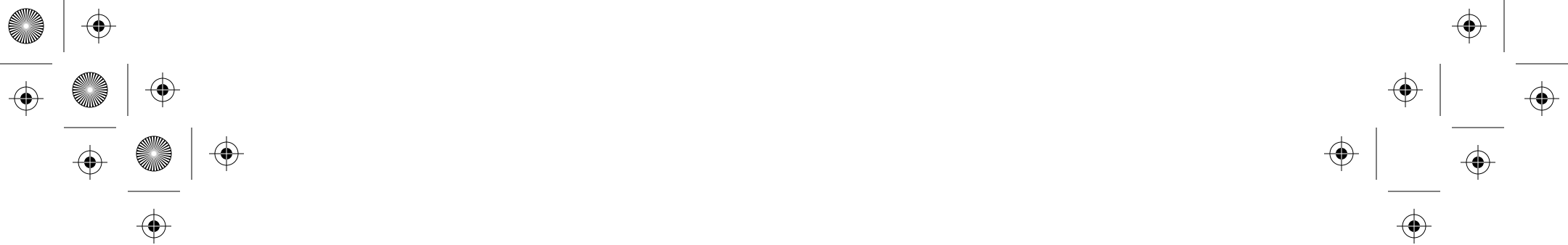
S o l a r



FEATURES

- Truly plug-and-play, Tumo offers an ideal solution for a wide range of roller shade applications.
- No power needed -- "Off the Grid" solar powered-system.
- Compact solar panel allows system to operate efficiently and is self-sustaining.
- Integrated RF allows for control by handsender, wireless wall-switch or network.
- Fascia and Side Channels can be powder-coated to custom color and configured to precise specifications for single or multiple paneled systems.
- Large selection of fabrics are available. Use of C.O.M. materials is optional.

2573 N.W. 74th Ave. • Miami, Florida 33122 • Phone: (305) 597-8671/8672 • Order Fax: (305) 597-8673
E-mail: info@megamarinc.com • www.castellanosdraperies.com



Motor Features



DC Power - Utilizes direct current.



Contact Closure - Allows operation using 2 momentary dry contacts from a 3rd party system or wall switch



Tube Diameter - Diameter of roller shade motor tube.



Radio Frequency - A remote control that utilizes radio waves.



Tandem motor set - A drive and non-drive motor that function as one, more powerful, motor system.



Enclosure - Extrusion that encases the roller tube for a complete blackout effect.



Quiet - System uses a quiet motor.

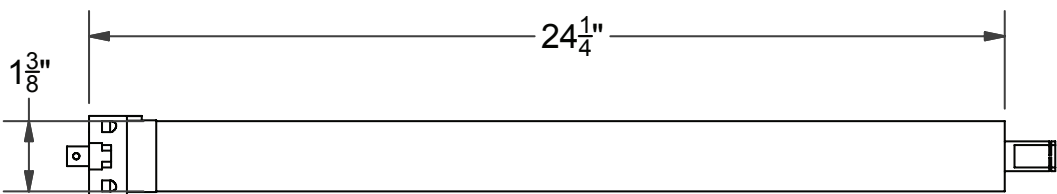
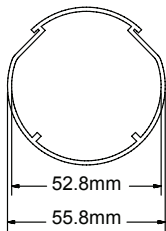


Solar Powered - Utilizes solar rays for energy.



Fascia - Extrusion that is attached to the brackets and covers the hardware to block incoming light.

55mm Tube

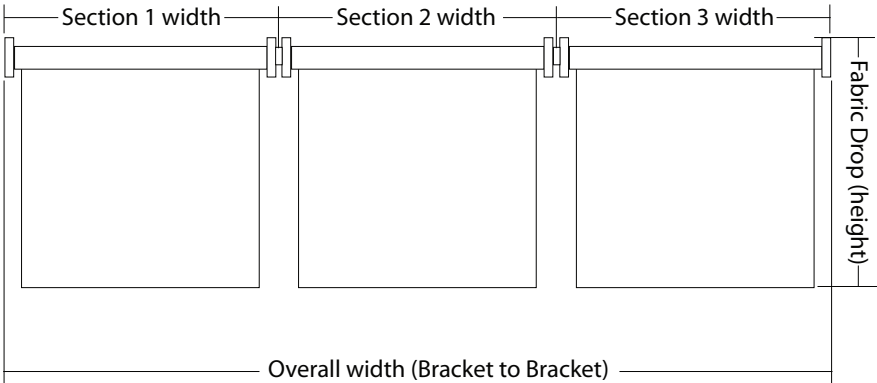


Motor	Max. Weight	Max. Width*: Single Shade	Max. Width*: Coupled	Max. Drop*: with Brackets	Max. Drop*: with Fascia	Fascia and Backplate	Side and Sill Channel Width	Shade Pocket, Closure and Hanger	Motor Limit Type	Motor Diameter	RPM	Turns	nM	db Rating
Solar	16 lbs.	144"	N/A	108"	108"	4"	1.5"	Available	Mechanical	45mm	33	42	2	33

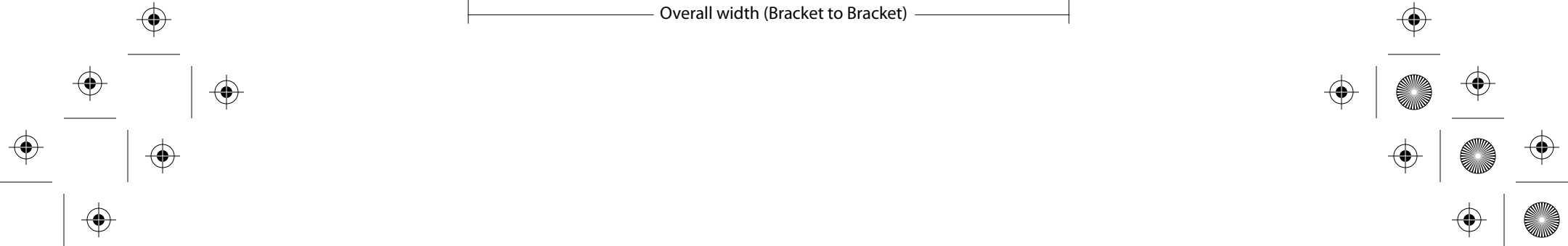
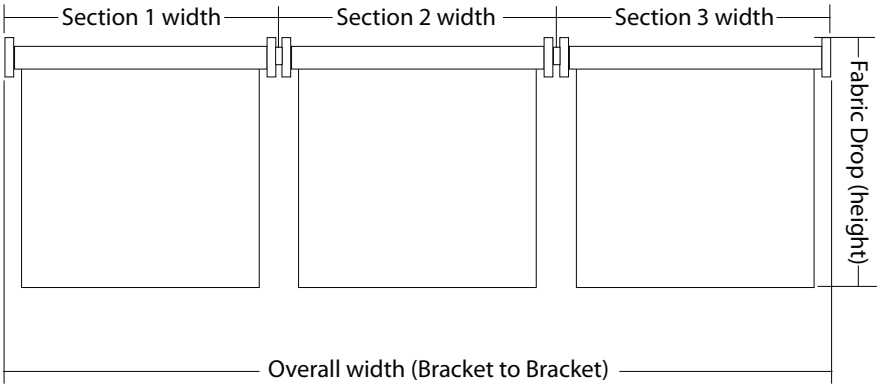
* Maximum width and maximum drop are dependent upon fabric selected. Contact factory for specifics.

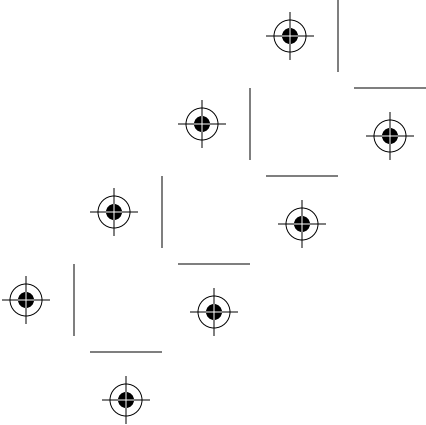
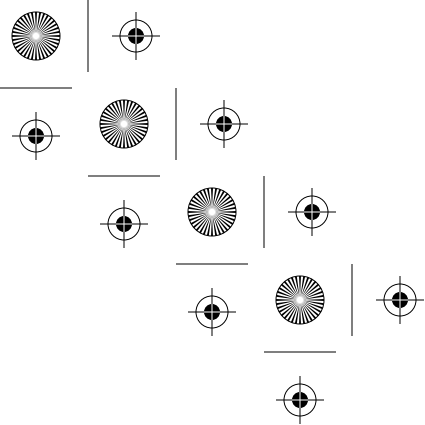
Measurement Guide

Standard Systems



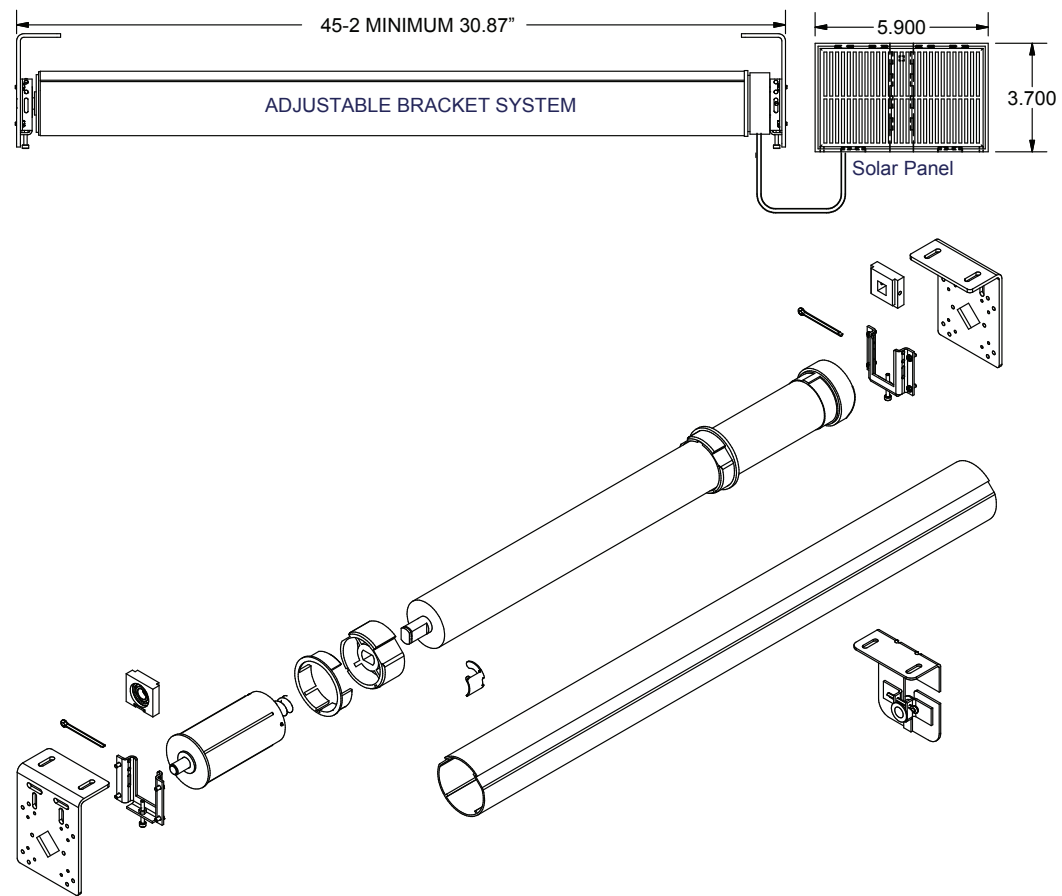
Coupled Systems



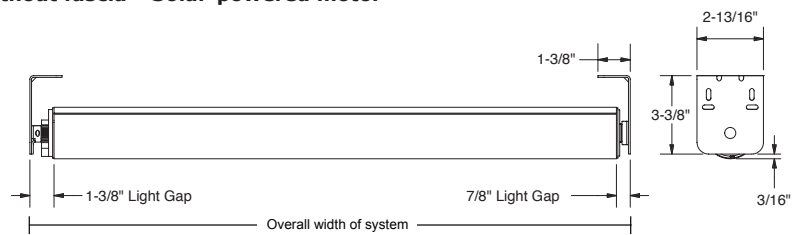


Light Gap Information

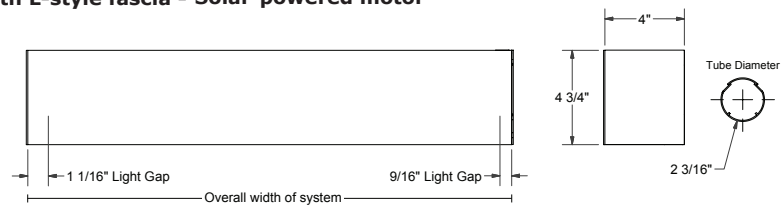
Note: Shades installed with optional side channels have no light gaps.



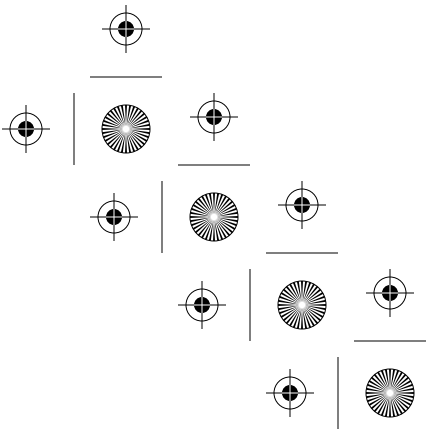
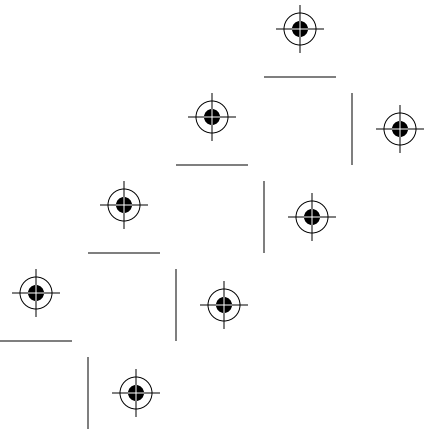
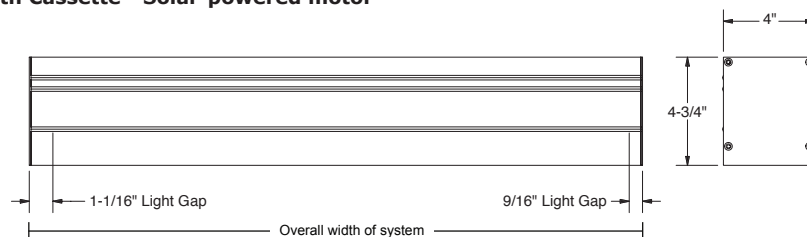
Motorized RS-20 without fascia - Solar-powered motor

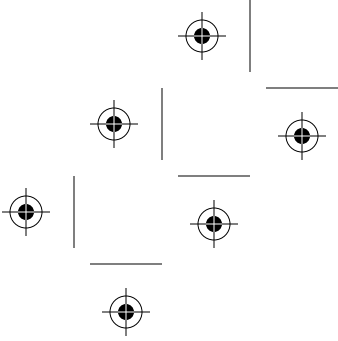
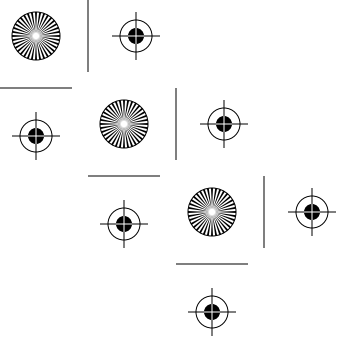


Motorized RS-20 with L-style fascia - Solar-powered motor



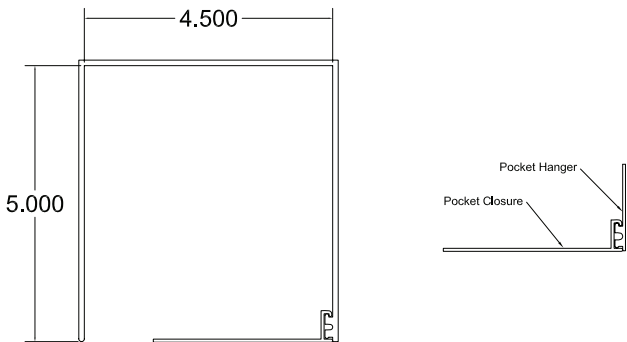
Motorized RS-20 with Cassette - Solar-powered motor



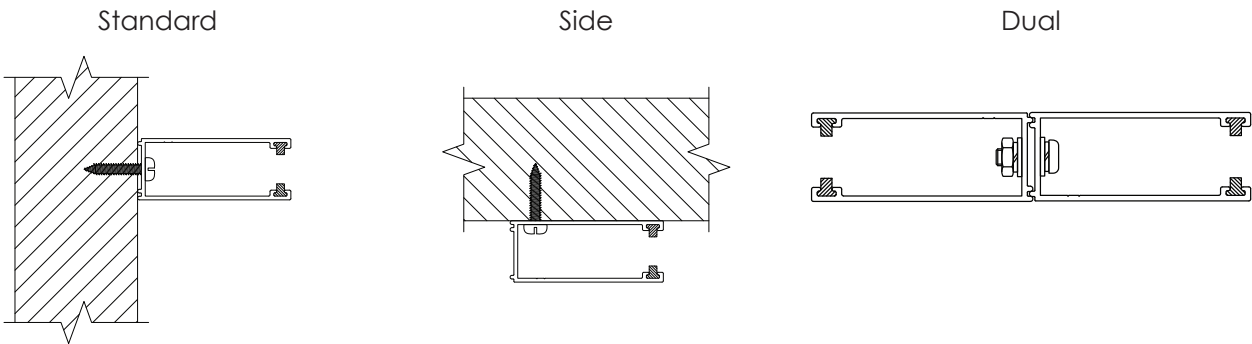


Mounting Information

Shade Pocket Dimensions



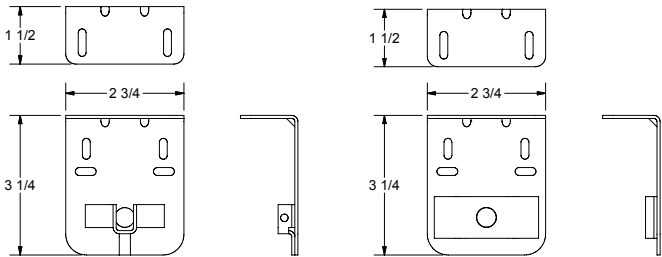
Side Channel Mounting



Mounting Bracket Features

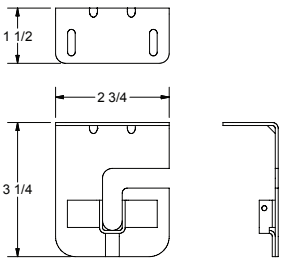
Standard Bracket

For: 102.5010
102.5310



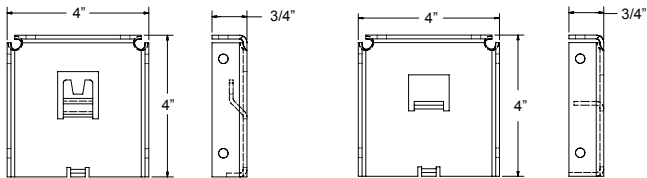
Standard Coupler Bracket

For: 102.5010
102.5310



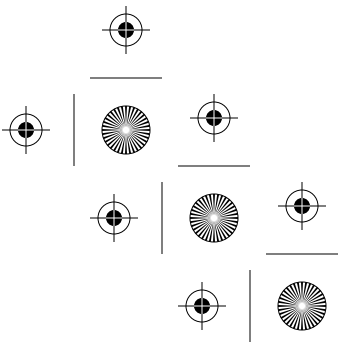
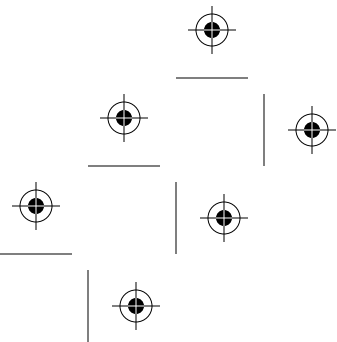
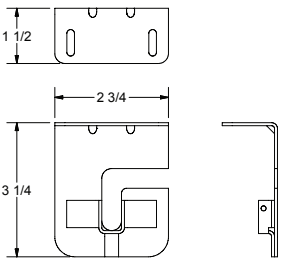
4" Fascia Bracket

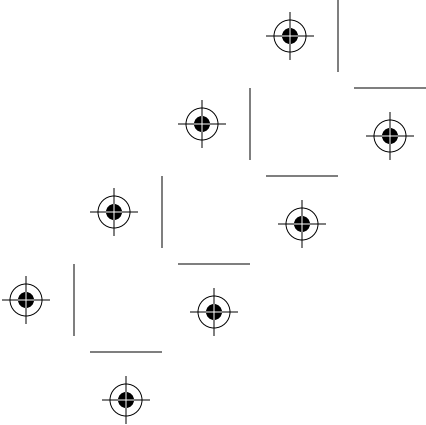
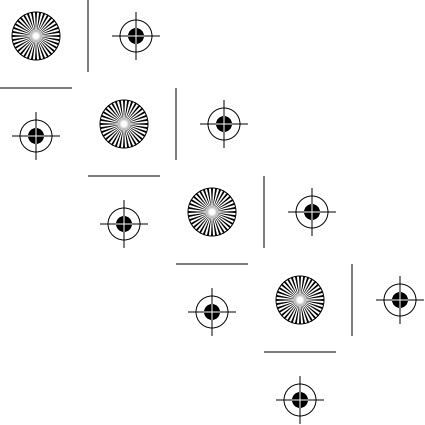
For: 102.5010
102.5310



Drop-in Coupler Bracket

For: 102.5010
102.5310





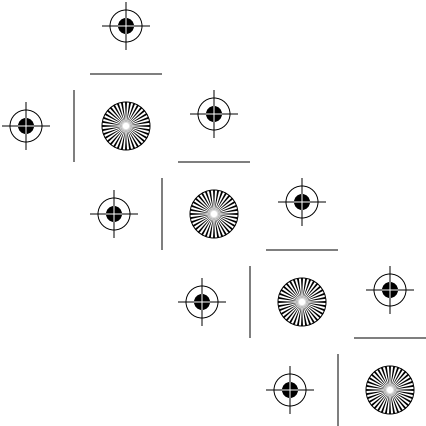
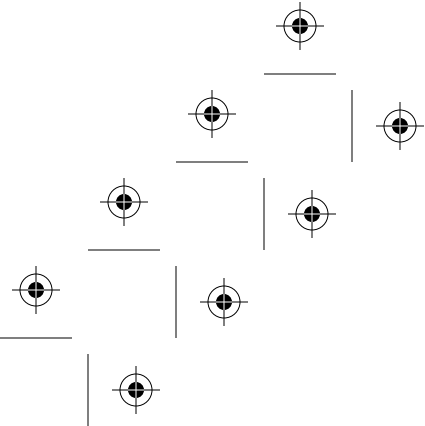
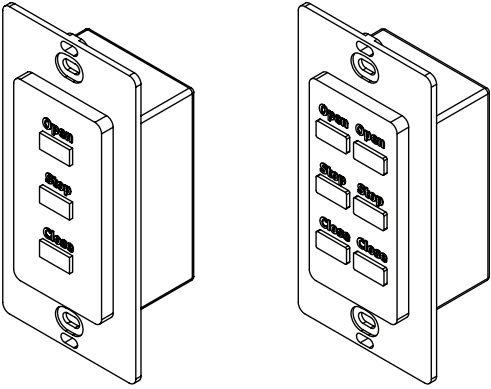
Programming and Operation

Remote



Additional Controls

The solar-powered roller shade system is also available with wireless wall switches. These switches are available in single or double-channel configuraions. Additional switchplates and wall-mount boxes are available for complete installation packages.

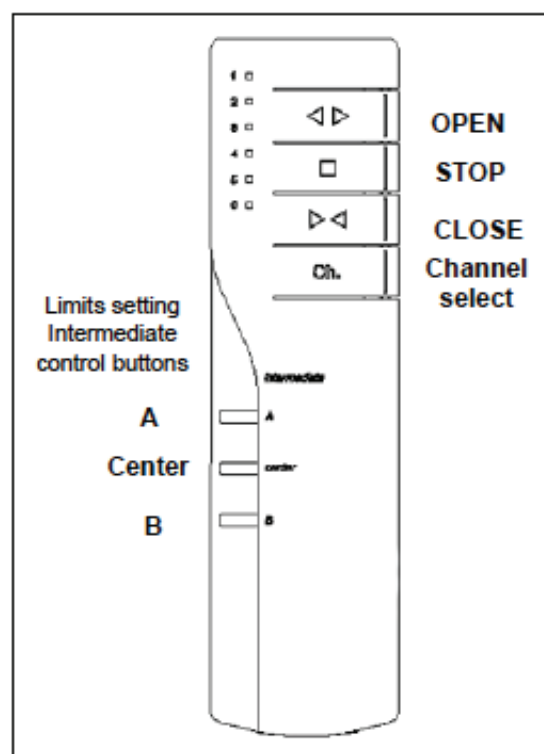




The remote is designed to be used in operating automated roller shade systems. It has 6 channels and can operate 6 individual systems or 6 groups of systems.

Initial Programming

The first time using the remote, the motor needs to recognize the remote. When you press the CHANNEL selection button, one of the channel indicating LED's will illuminate. Keep pressing the CHANNEL select button until the desired channel lights up. To enter program mode, the motor needs to be disconnected from the solar panel for 1 minute, then plug the motor back into the solar panel reinstate power. Within 90 seconds after power on, press and hold the OPEN and CLOSE buttons simultaneously. The selected channel number will light up with slow flash. The roller will react with a movement to indicate the motor is receiving the signal from the remote and confirm communication has been established. Test run the system by pressing the OPEN or CLOSE button.



Change Travel Direction

The directional icons on the remote should match the travel direction of the shade. If they do not, for example, when you press the OPEN button the shade closes, you may need to change the direction. To change the direction, put the motor into program mode. Press and hold the A and B buttons simultaneously, the channel light will flash slowly until the roller reacts with a movement. Test run the system by pressing the OPEN or CLOSE button.

Deleting a Channel

Press the CHANNEL button until the LED for the channel you want to delete lights up. Press and hold the OPEN and STOP buttons simultaneously until the roller reacts with a movement. The selected channel is now deleted from the motor.

Deleting All Channels

Press the CHANNEL button until the LED for the channel you want to delete lights up. Press and hold the STOP and CLOSE buttons simultaneously until the roller reacts with a movement. Now all channels that were previously programmed to this motor have been removed. To confirm, simply press any of the action buttons (OPEN or CLOSE) and verify the motor does not move.

Warning: In order to prevent damage, never start programming with the shade in the far up position.



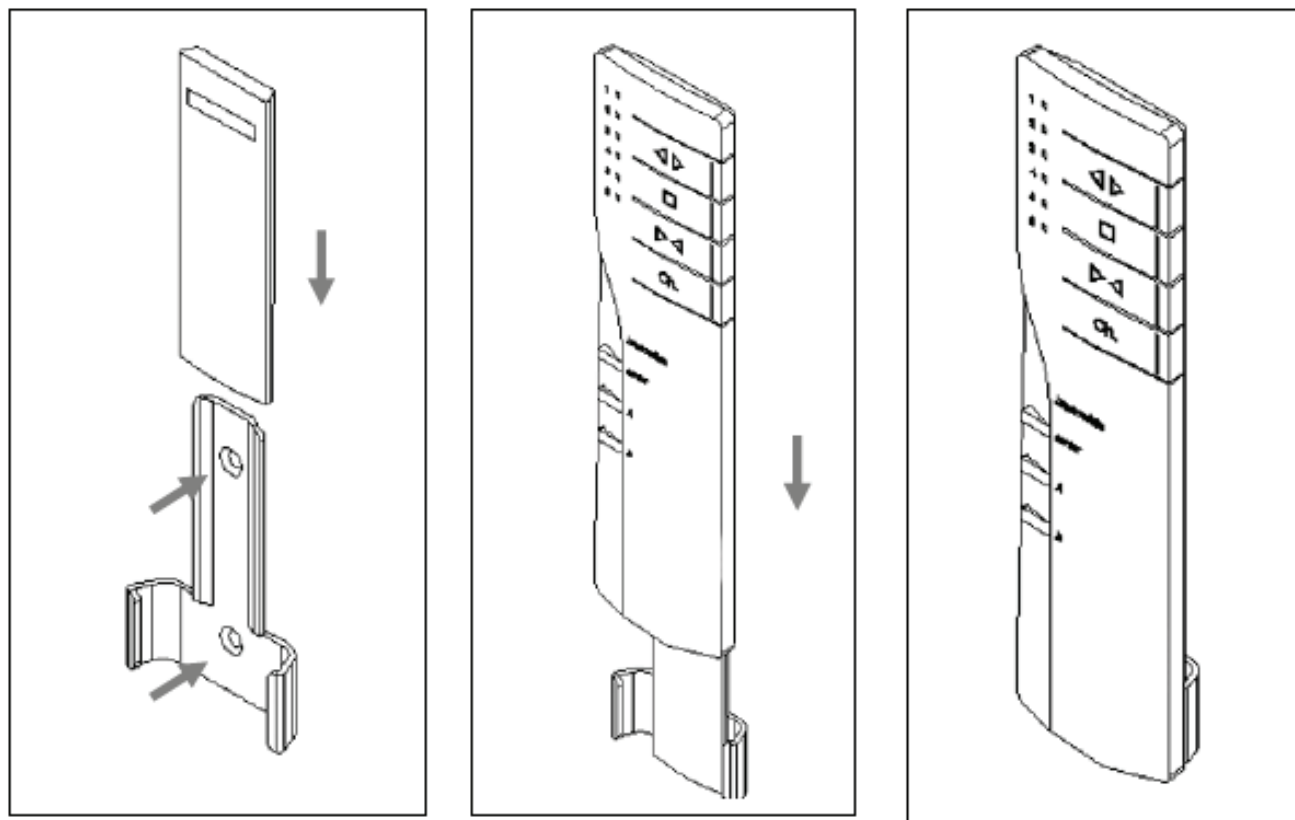
Operating the Remote

After the remote has been programmed, simply press the OPEN, STOP or CLOSE buttons to operate the roller shade.

Mounting the Remote

Wall Mounted Cradle

A cradle is provided with the remote to mount to the wall. First, use the provided hardware to screw the metal bracket to the desired mounting location. Next, slide the plastic cradle support into the bracket. Now, the cradle is properly installed and capable of holding the remote.



Maintaining the Remote

Replacing the Battery

The remote is powered by two Li-ion batteries, model number: CR2430 (part number 400.1145). The battery lasts for over two years under normal operating condition. When channel LED's "1" and "6" light up at the same time, the batteries have been depleted and need to be replaced. This is a standard battery type and should be easily found at most electronic stores. Open the remote case by pushing the battery cover in an up direction. Once the battery cover is removed, the battery can be easily seen. Exchange the old battery for the new ones and replace the battery cover.

Programming: Quick Reference

