



Oasis® 2800 Patio Shade Installation Instructions



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1.0 Overview

The following installation instructions are for Insolroll's Oasis® 2800 patio shades. The enclosure options available for this product line are: 5" x 5 1/2" Head Box, 5" x 5 1/2" Extruded Pocket with access flap and Exposed Brackets. The operator options available are: Somfy Motors, Manual Crank & Gear and Lutron Electronic Drive Unit. The fabric guide options available are: Side Track and Cable Guide. Hardware and enclosure assembly screws are included, but mounting screws are not provided. The type and size of screw required are project specific and will vary depending upon the mounting surface.

1.1 Tools

Screw/drill gun with Phillips-head bit extender; hex head driver; standard and Phillips-head screwdriver; wire strippers/cutters; pliers or channel locks; level; tape measure; 3/16" and 3/8" drill bits; appropriate fasteners for your specific application.

2.0 Enclosure Mounting

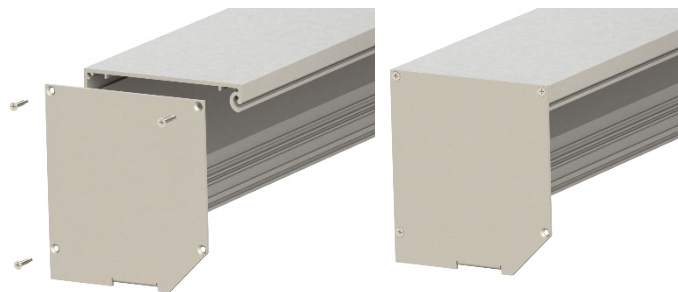
2.1 Head Box and Extruded Pocket

Head Box and Extruded Pocket systems are shipped with the same 5" x 5 1/2" back cover. The end plates for Head Box and Extruded Pocket systems will be different.

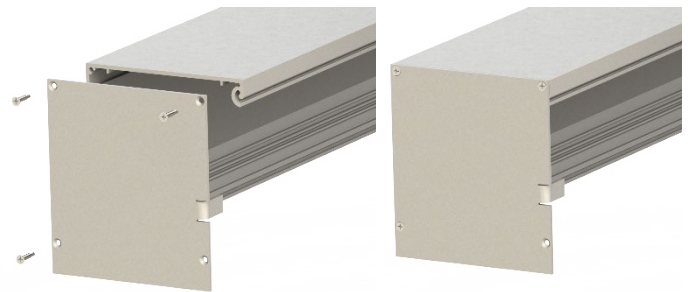
2.1.1 Back Cover Assembly

Locate the back cover, end plates and the end plate hardware. Mount the left and right end plates to the back cover using six of the eight screws provided. The two end plate screws that are left will be used to secure the front cover at the end of the installation.

Head Box



Extruded Pocket





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2.12 Pre-Drill Mounting Holes

Mark the back cover mounting locations. Start by marking the two end mounting locations on the inside of the back cover about 6" in from each end plate. If the back cover is longer than 6', mark intermediate mounting locations 4' to 6' apart. Mounting locations for ceiling mount applications will be on the top of the back cover while for wall mount applications they will be located on the back of the back cover. Pre-drill the holes using a 3/16" drill bit.

Ceiling Mount



Wall Mount



Mark the bracket mounting locations on the back cover. Place the operator and idler brackets in the channels of the back cover. Mounting locations for ceiling mount applications will be on the top of the back cover while for wall mount application they will be located on the back of the back cover. Pre-drill the holes using a 3/16" drill bit. Only operator brackets are shown.

Ceiling Mount



Wall Mount



Lutron EDU



Manual Crank



Lutron EDU



Manual Crank



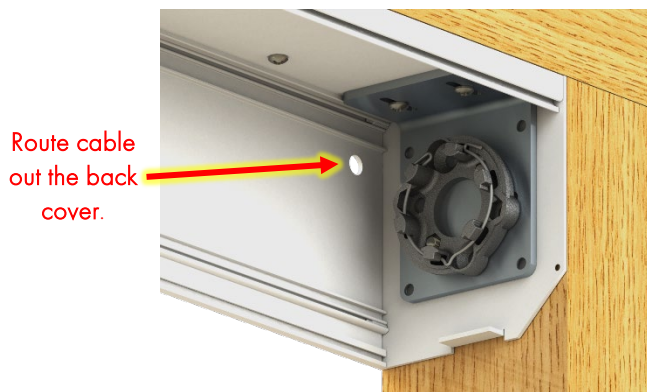
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2.13 Drill Motor Cable Routing Holes (if applicable)

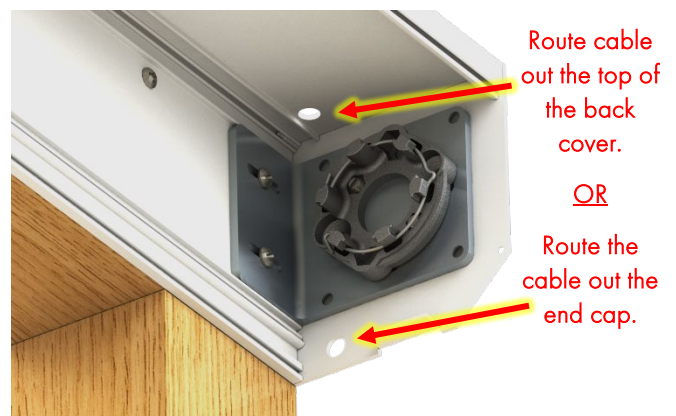
If you are installing a manual crank and gear shade, skip this section and proceed to section 2.14 Upper Cable Retainer Install.

Think through the motor wire routing plans for your application and determine the location of the motor cable hole. For information on the size of hole needed, refer to section 8.0 Somfy Motor Wire Options. The images below show typical applications for inside ceiling mount and outside wall mount applications. These images may not apply to you as each application can be different.

Inside Ceiling Mount



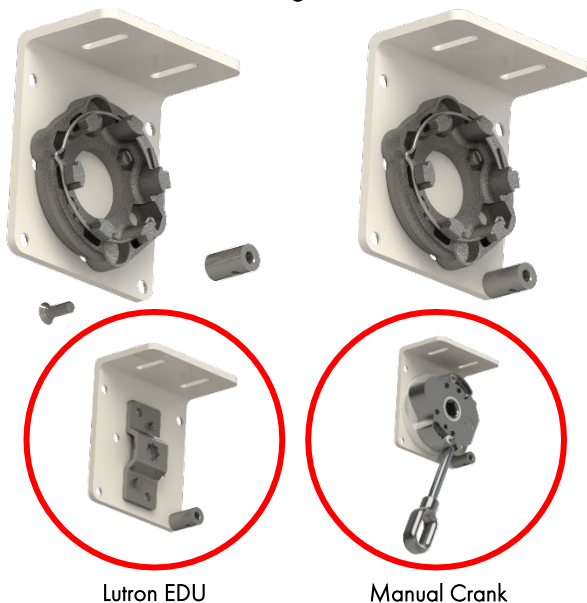
Outside Wall Mount



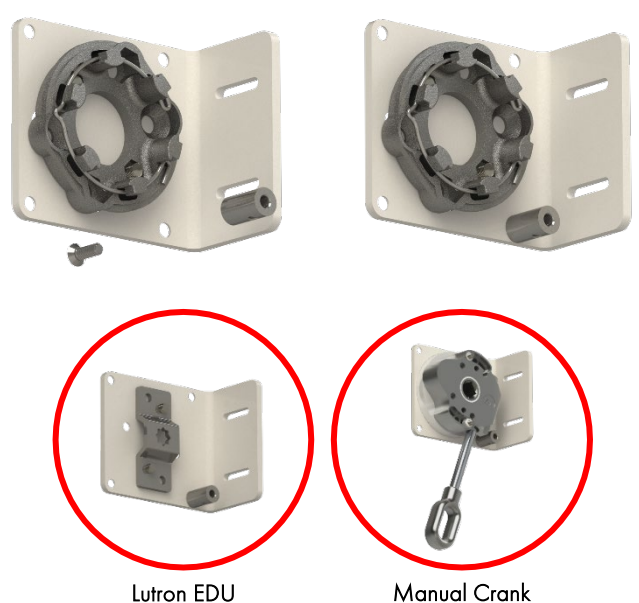
2.14 Upper Cable Retainer Install (For Cable Guide Systems ONLY)

For side track applications, skip to section 2.15 Enclosure and Bracket Mounting. Locate the upper cable retainer and the corresponding screw in the cable hardware package. Use the following images to install the cable retainer in the correct orientation for your application. Only operator brackets are shown.

Ceiling Mount



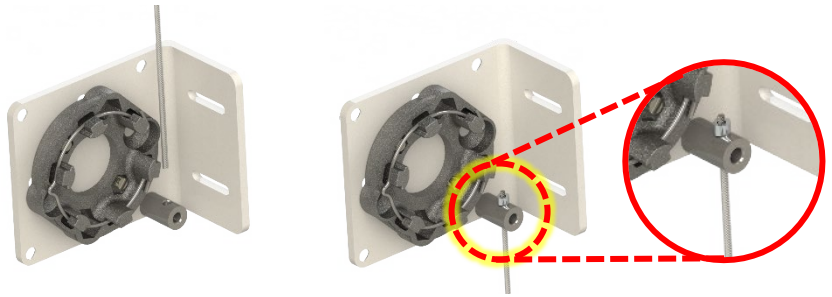
Wall Mount





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After installing the cable retainer, feed the un-crimped end of the stainless steel cable through the cable retainer. Pull the cable through the cable retainer until the crimped end of the cable sits against the cable retainer.



2.15 Enclosure and Bracket Mounting

Mount the enclosure first using the pre-drilled holes in section 2.12 Pre-Drill Mounting Holes. Use a level to ensure the enclosure is mounted completely level.

We recommend pan head screws for mounting and advise you to stay away from using deck screws to mount the back cover and brackets. Mounting screws are not provided. The type and size of screw required are project specific and will vary depending upon the mounting surface.

Ceiling Mount



Wall Mount

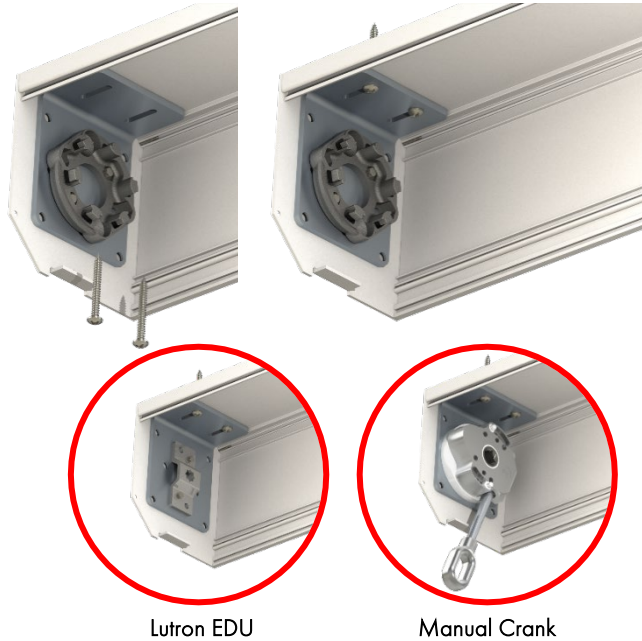




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Insert and mount the operator and idler brackets using the pre-drilled holes in section 2.12 Pre-Drill Mounting Holes. Only operator brackets are shown.

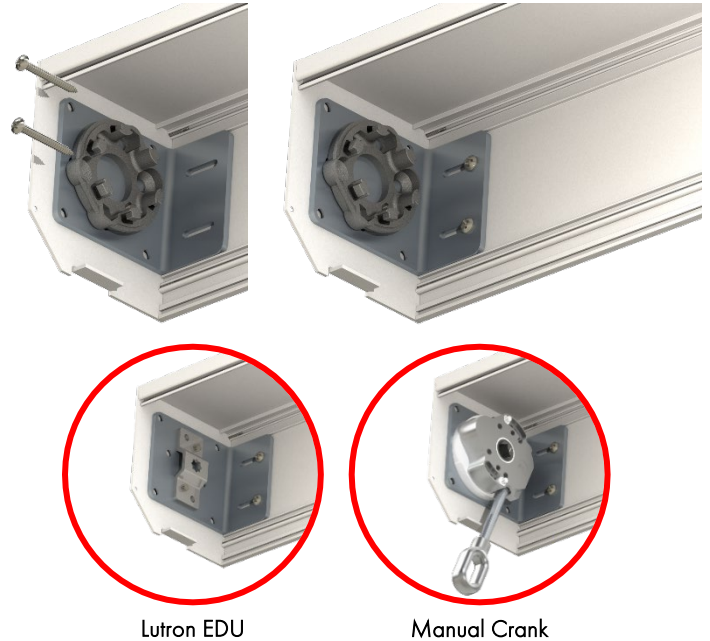
Ceiling Mount



Lutron EDU

Manual Crank

Wall Mount



Lutron EDU

Manual Crank

2.2 Exposed Bracket System

Exposed bracket systems are shipped with pre-set operator and idler bracket assemblies. There are no end plates for exposed applications, the brackets and screw heads are painted for a finished look.

Operators



Somfy Motor

Lutron EDU

Manual Crank

Idler

Spring Loaded Idler





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2.21 Bracket Location and Mounting

Mark the location of the brackets noting that the bracket-to-bracket width equals shade order width. For proper shade operation, brackets must be mounted perfectly level. Verify using a tape measure and level. Only operator brackets are shown.

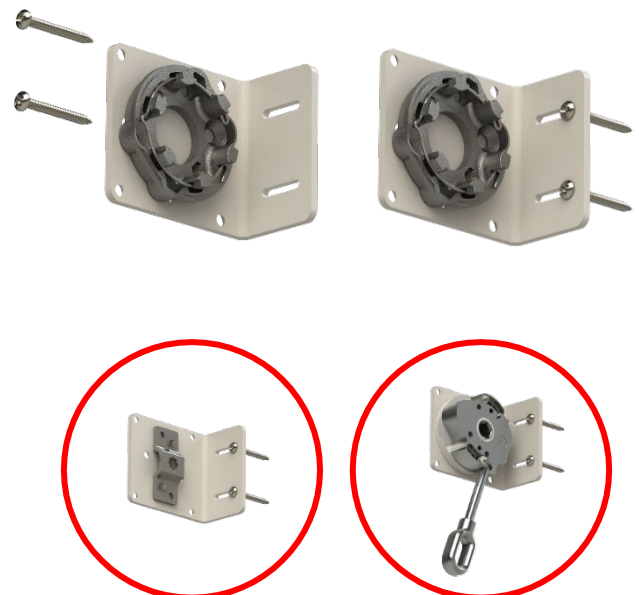
Ceiling Mount



Lutron EDU

Manual Crank

Wall Mount



Lutron EDU

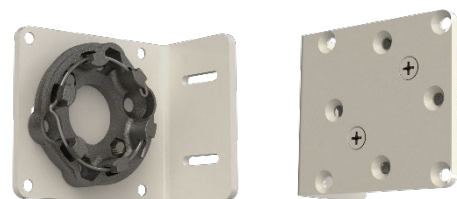
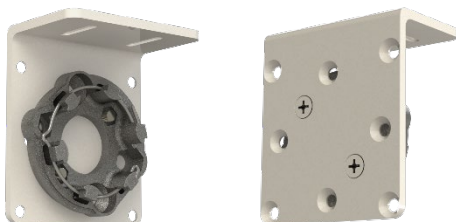
Manual Crank

2.3 Operator Bracket Orientations

All the systems are shipped with pre-assembled operator and idler bracket assemblies. Use the following information for your systems operator to verify the proper bracket orientation.

2.31 Somfy Motor Mount Orientation

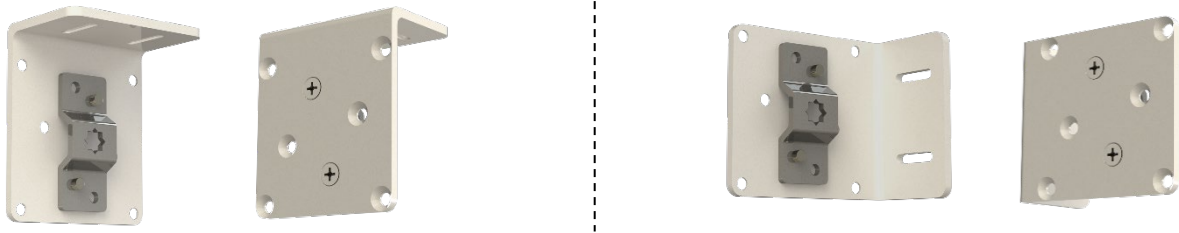
The Somfy star head motor mount does not need to be mounted in a specific orientation on the bracket. The motor mount is shipped with a motor retaining clip installed. It is recommended that you leave the retaining clip in place throughout the entire installation. The retaining clip will snap into place when the motor is fully seated. For Somfy motor wire information, refer to section 8.0 Somfy Motor Wire Options.



Oasis® 2800 Patio Shade Installation Instructions

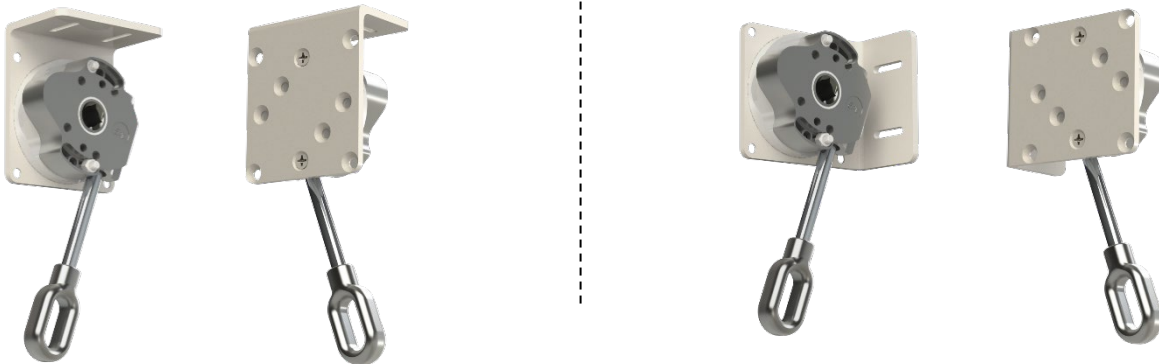
2.32 Lutron EDU Mount Orientation

The Lutron EDU bracket should always be installed with the EDU plate vertical. This allows you to access the cotter pin hole at the end of the installation. It is required to insert the cotter pin to secure the EDU in place. In the event you need to change the orientation of the EDU plate, you can do so without needing additional parts. Simply remove the screws to disassemble the EDU plate from the bracket. Re-orient the EDU plate using the following images for the desired application.



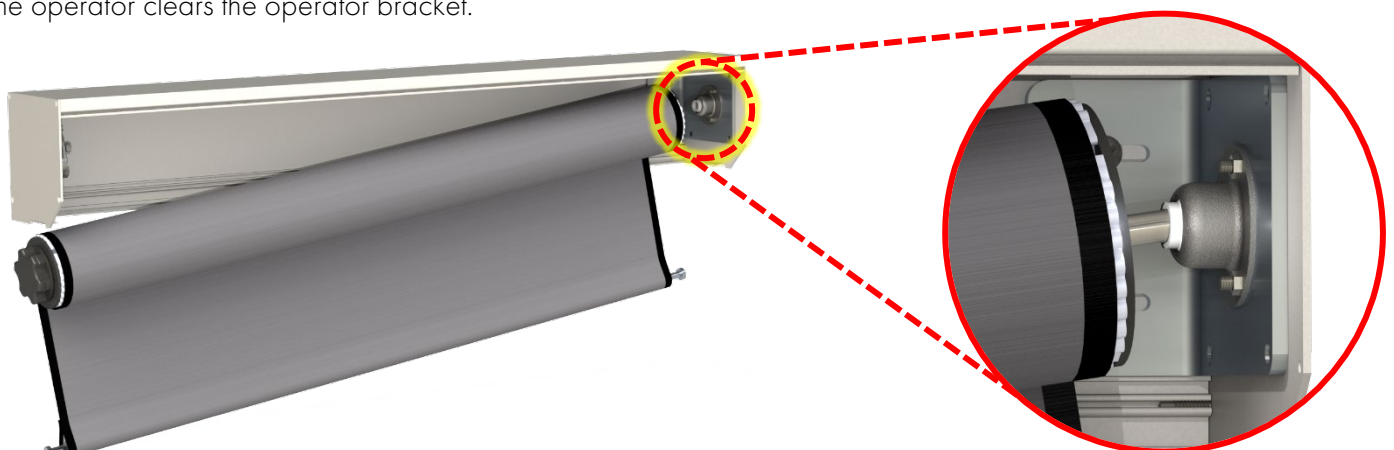
2.33 Manual Crank and Gear Orientation

In the event that you need to change the orientation of the manual crank gear, you can do so without needing additional parts. Simply remove the screws and lock nuts to disassemble the bracket, plastic spacer and gear. Re-orient the gear using the following images for the desired application.



3.0 Shade Installation

Install the shade by carefully inserting the idler pin into the plastic ball on the idler bracket and compress the idler so the operator clears the operator bracket.

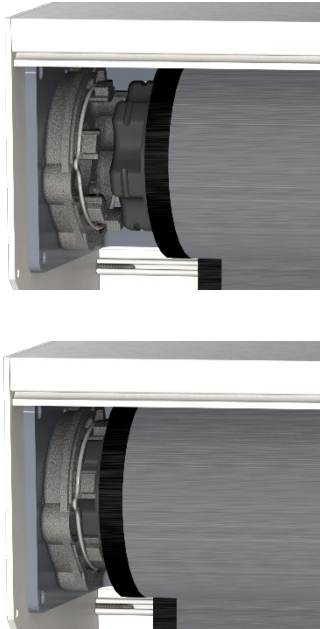




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Align the operator to fit into the operator bracket. Ensure it is fully seated. For Somfy operated shades, ensure you hear the retaining ring snap into place. For Lutron operated shades, insert the provided cotter pin to hold the EDU in place.

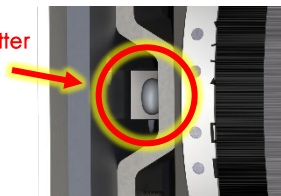
Somfy Motor



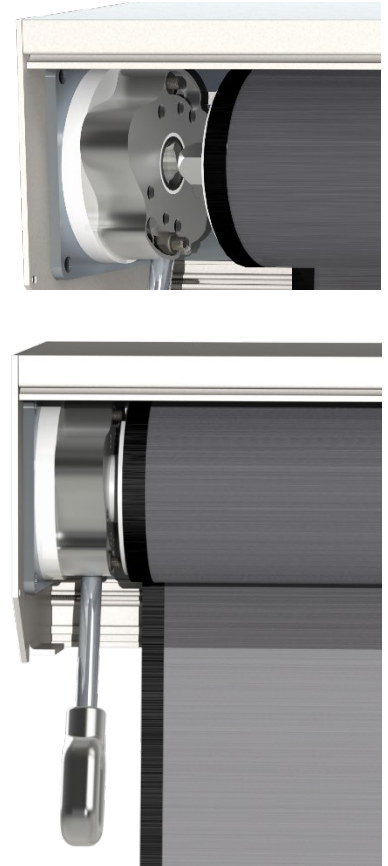
Lutron EDU



Insert Cotter
Pin



Manual Crank

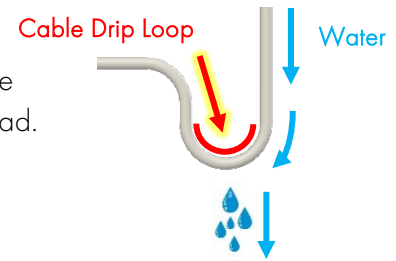




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3.1 Motor Cable Routing (if applicable)

Always orient the power wire so it does not interfere with the shade operation. Ensure there is an adequate drip loop length so no condensation can travel to the motor head.

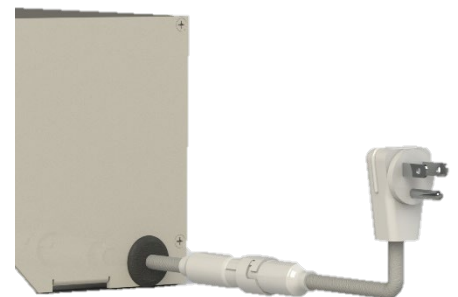
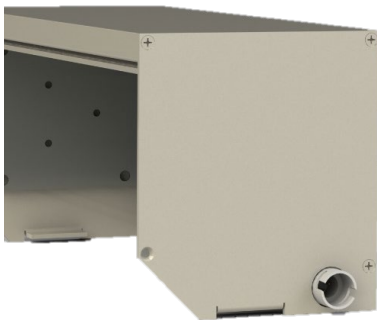


3.1.1 Somfy Motors

If you are installing a manual crank and gear shade, skip this section and proceed to section 4.0 Fabric Guide Installation.

For standard motor wires (hardwire and molded plug), route your motor cable through the hole that was drilled in section 2.1.3 Drill Motor Cable Routing Holes. Place the grommet over the cable and insert it into the drilled hole. Then run your wire to the power source.

For fast connect wires, route your motor cable through the hole that was drilled in section 2.1.3 Drill Motor Cable Routing Holes. Place the grommet over the cable and insert it into the drilled hole. Then attach the female connector to the male connector and run the wire to the power source.



3.1.2 Lutron EDU

Lutron EDU shades are offered in wired and wireless configurations. For RF Dongle information please refer to the Lutron Sivoia QS Wireless Receiver Install Instructions. For wired systems, please refer to the Lutron Sivoia QS Basic Wiring and Setup Instructions. Single power supply specific information can be found in the Plug In Power Supply WIN Instructions, while multi power supply information is in the Lutron Sivoia QS Wiring and Programming Guide.

3.2 Shade Removal

To remove the shade, reverse the above installation instructions. Begin by, removing the retaining ring or cotter pin if applicable. Move the shade toward the idler to compress the idler enough so that the operator clears the operator bracket. Remove the idler pin from the idler bracket.

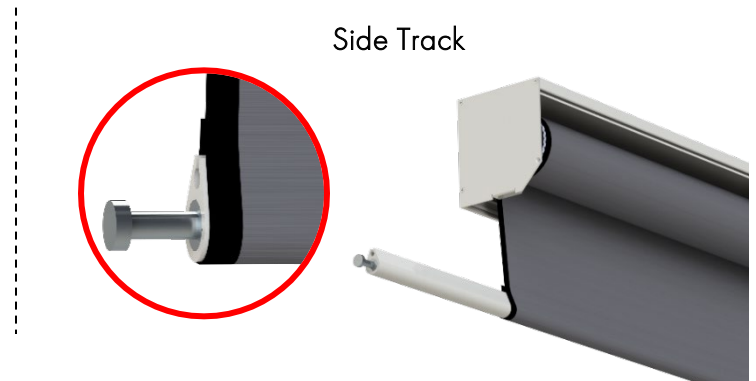
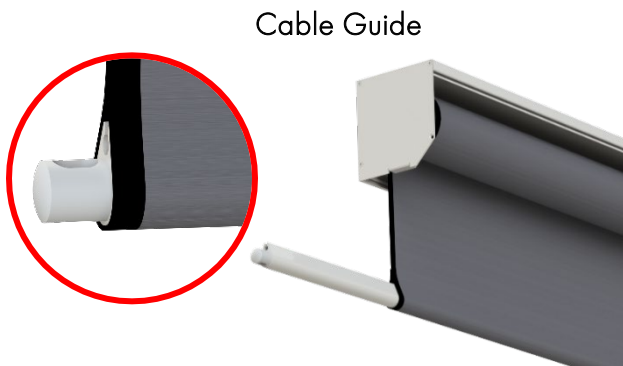


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4.0 Fabric Guide Installation (Cable Guide and Side Track Installation)

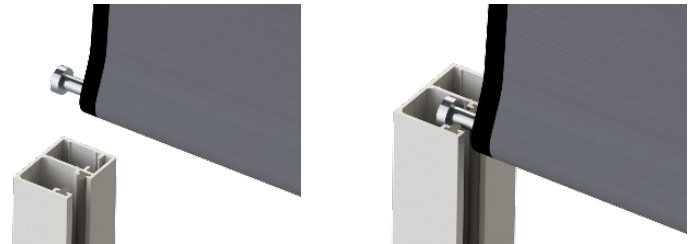
4.1 Hem Bar Installation

The Oasis 2800 patio shade line is offered with either cable guide or side track. Both of these fabric guide options utilize the same hem bar, but the ends of the hem bar guide will vary. Side track systems will utilize metal guide pins while the cable guide systems will utilize nylon cable guide pins. Slide the hem bar through the hem bar pocket of the shade. Ensure it is centered in the hem bar pocket.

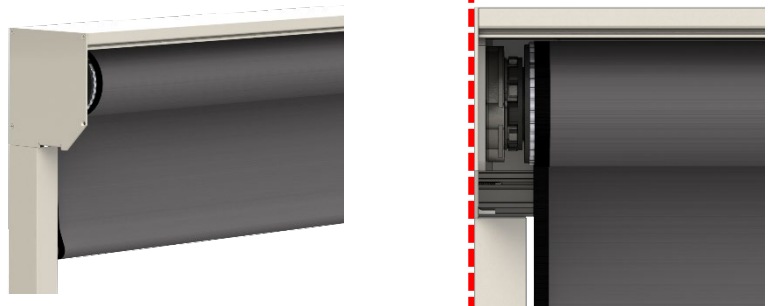


4.2 Side Track Installation

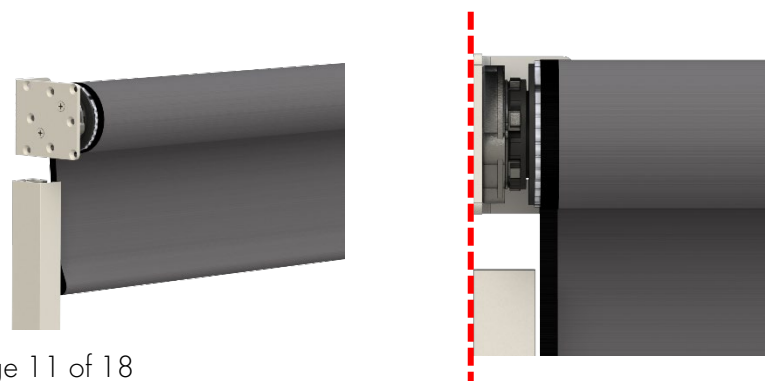
Begin by guiding the metal hem bar pins through the side track. The hem bar should fit relatively loose in the side track.



For enclosed systems: Align the side tracks with the ends of the enclosure. The side tracks should sit flush with the back and sides of the enclosure.



For exposed systems: Align the side tracks with the end of the brackets. The side tracks should sit flush with the back and sides of the brackets. There should be about a 1 1/4" gap between the bottom of the bracket and top of the side track.



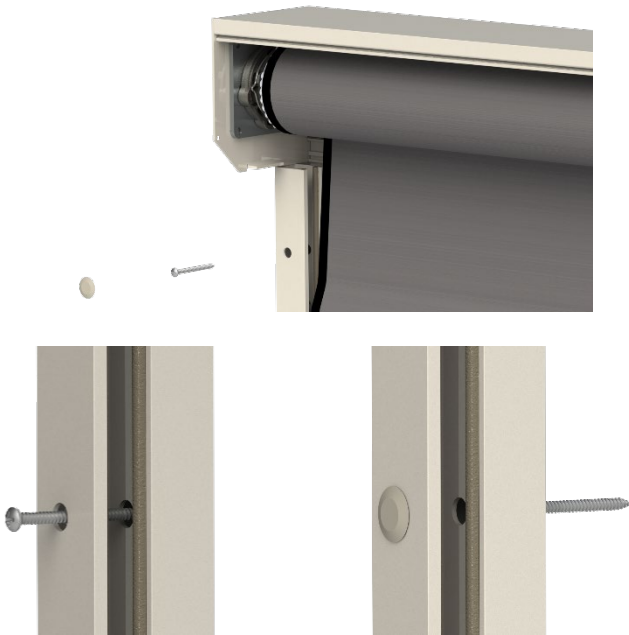
Sits flush



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The side tracks will be shipped with pre-drilled mounting holes (unless specified not to pre-drill when ordering). The pre-drilled hole location will depend on whether the side tracks were ordered for face mount or side mount installation. Use a level and tape measure to ensure the side tracks are mounted perfectly vertical and parallel to each other before fully securing each side track.

Face Mount



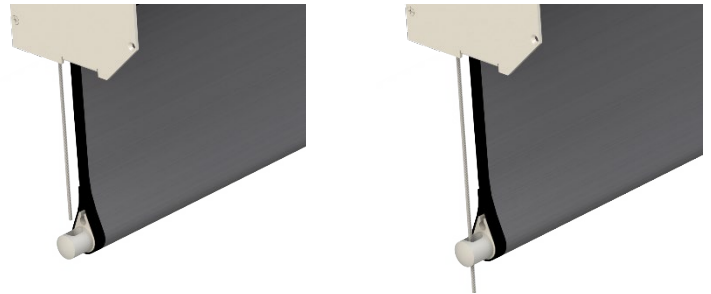
Side Mount



4.3 Cable Guide Installation

Begin by guiding the cable through the nylon cable guide pin on the operator side. Repeat the process on the idler side.

Insolroll offers two options for lower cable brackets: deck mount and wall mount. Use the cable to determine your bracket location. Use a tape measure to ensure the cables run parallel to each other. Use a level to ensure the cables also run completely vertical. Mount the lower cable brackets in the determined location that will allow the cables to run parallel and vertical. Mounting screws are not provided. The type and size of screw required are project specific and will vary depending upon the mounting surface.



Deck Mount



Wall Mount

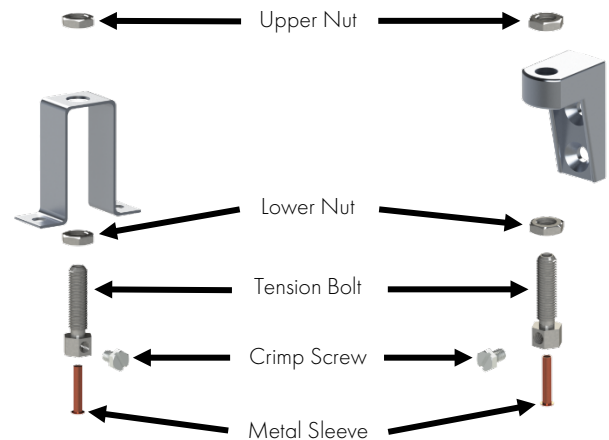


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4.31 Tension Bolt Assembly

Locate the cable guide tensioning hardware bag included in your shipment.

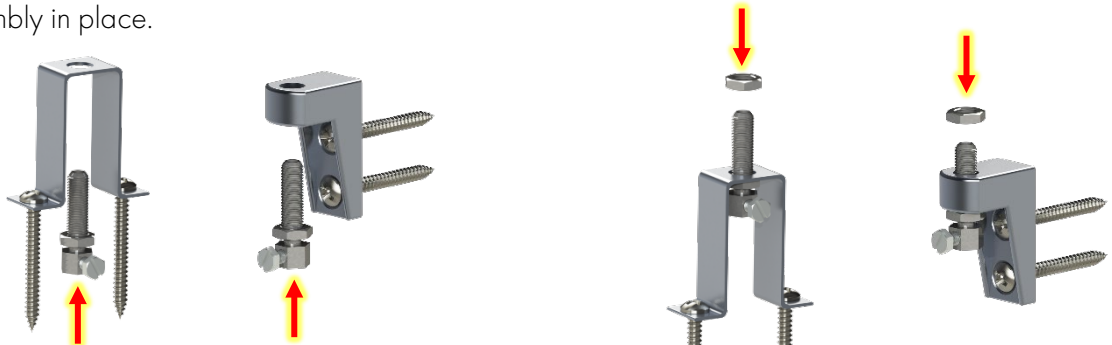
Remove the metal sleeve and place it through the hole on the head of the tension bolt and hand tighten the crimping screw to hold the metal sleeve in place. Do not overtighten the screw, it should only be tight enough to keep the metal sleeve from falling out of place.



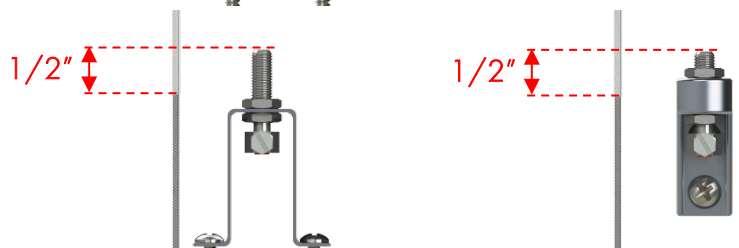
Place the lower nut on the tension bolt. Be sure it remains threaded on the lower part of the bolt.



Insert the tension bolt assembly into the mounted bracket, so the crimping screw is accessible. Screw on the upper nut to hold the assembly in place.



Remove the cable sheathing about 1/2" below the top threads of the tension bolt using a pair of 12-gauge wire strippers. Be careful when removing the sheathing. Avoid twisting the un-sheathed cable to prevent it from fraying.



Feed the cable through the top of the tension bolt. Pull the cable taut and tighten the crimping screw using a flat head screwdriver or a 5/16" socket. To avoid damaging the head of the screw, do not over tighten. The cable is now set.



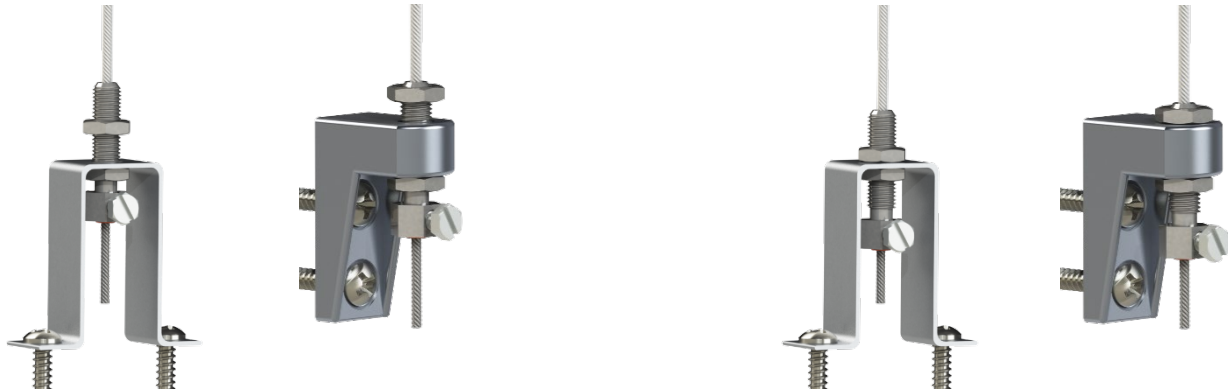


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4.32 Adjusting Cable Tension

To adjust the cable tension, loosen the upper nut using a 1/2" wrench. Once the upper nut is loose, begin tightening the lower nut so it pulls the tension bolt down through the bracket.

As the tension bolt gets pulled through the bracket, the cable will become taut. Check the cable tension while adjusting to ensure it does not become too tight. Once the desired tension is reached, tighten the upper nut back down to hold everything in place.



5.0 Shade Operation

5.1 Motorized Shades

Ensure your shade is set to the correct pre-set limits. If the limits need to be adjusted, please refer to the Motor Programming Instructions. Insolroll strongly advises against using any sensors (wind, sun, etc.) or programming any scheduled or timed events with our Oasis products.

5.2 Manual Crank Shades

To set the lower limit, start by cranking the shade down to the desired down position.

Compress the shade against the idler side and completely remove the square crank drive pin from the gear.

While the pin is out of the gear, continue cranking the gear in the downward direction until you cannot crank any further.

Re-insert the square crank drive pin into the gear. The shade should now be at its desired lowest position and the crank should not crank down any further. The down limit is now set.

Note: There is no upper limit on manual crank operators. Please inform the customers accordingly.



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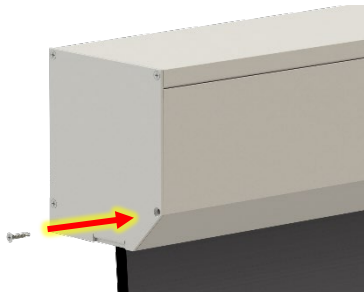
6.0 Front Cover Installation

6.1 Head Box Front Cover

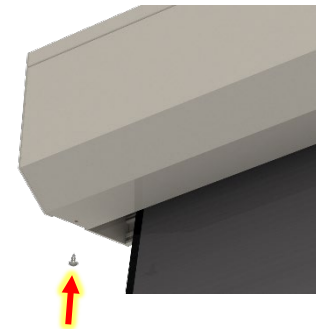
Insert the front cover tongue into the back cover groove, the front cover needs to be perpendicular in order to fit properly into the groove of the back cover. After correctly inserting the front cover into the groove, the front cover will stay engaged as it closes. Secure the end plate to the front cover with the end plate screws provided.



For outside mount: Secure the end plate to the front cover with the end plate screws provided.



For inside mount: If you cannot access the end plate screw holes for inside mount applications, use a 1/8" drill bit to pre-drill through the bottom of the front cover and the end plate tab. Secure the front cover using the provided 3/8" painted screw.

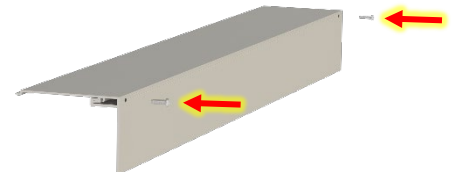
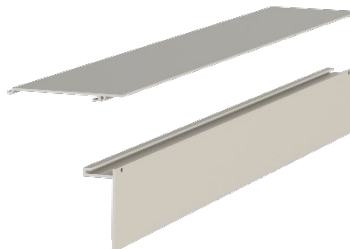
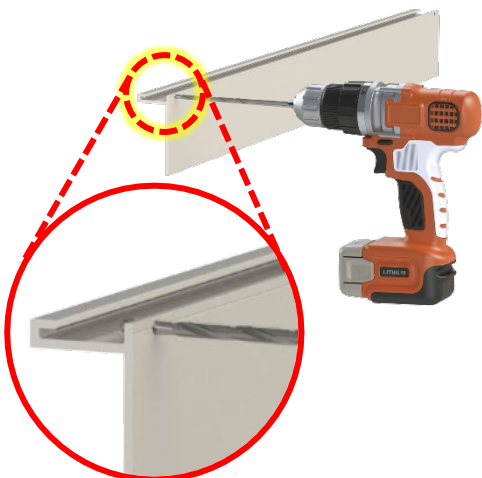


6.2 Extruded Pocket Front Cover and Access Flap

The Access Flap for Extruded Pocket applications can be installed a few different ways depending on your application. You can install the access flap to the front cover first as described in section 6.21 or you can install the front cover to the back cover first as described in section 6.22.

6.21 Access Flap Installed First

Use a 1/8" drill bit to pre-drill through the access flap in the bevel at about 1/2" from the left and right of the ends. Hook the access flap onto the front cover and secure it using the painted 3/4" self-tap screw.



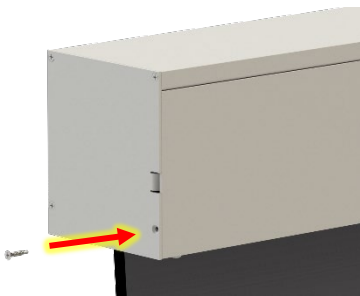


Oasis® 2800 Patio Shade Installation Instructions

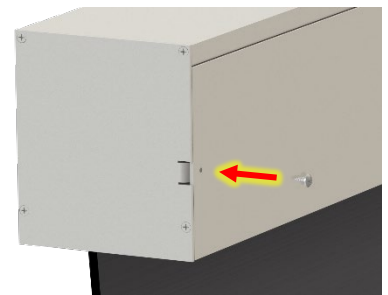
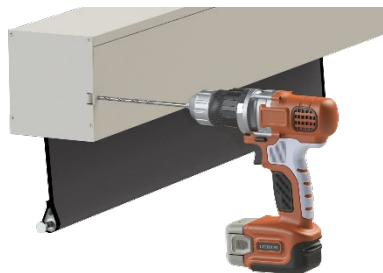
Insert the front cover tongue into the back cover groove, the front cover needs to be perpendicular in order to fit properly into the groove of the back cover. After correctly inserting the front cover into the groove, the front cover will stay engaged as it closes. Secure the end plate to the front cover with the end plate screws provided.



For outside mount: Secure the end plate to the front cover with the end plate screws provided.



For inside mount: If you cannot access the end plate screw holes for inside mount applications, use a 1/8" drill bit to pre-drill through the face of the front cover and the end plate tab. Secure the front cover using the provided 3/8" painted screw.

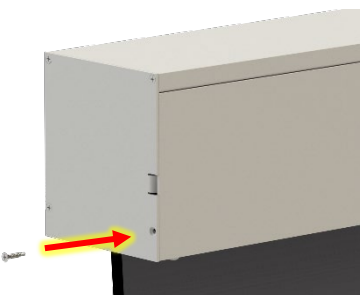


6.22 Access Flap Installed Last

Insert the front cover tongue into the back cover groove, the front cover needs to be perpendicular in order to fit properly into the groove of the back cover. After correctly inserting the front cover into the groove, the front cover will stay engaged as it closes. Secure the end plate to the front cover with the end plate screws provided.



For outside mount: Secure the end plate to the front cover with the end plate screws provided.



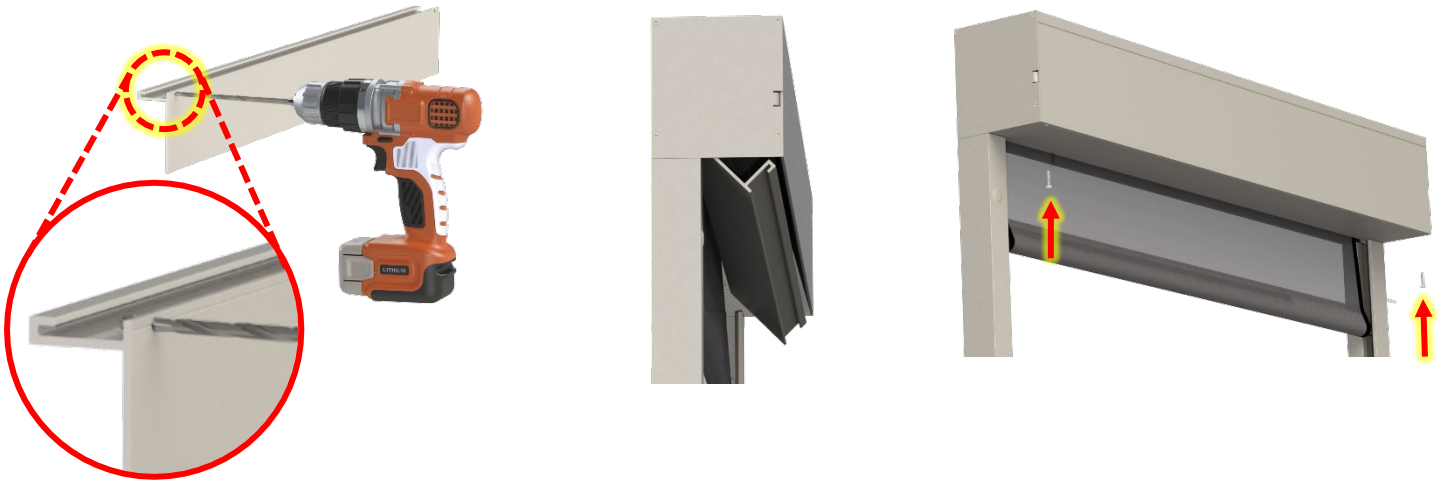
For inside mount: If you cannot access the end plate screw holes for inside mount applications, use a 1/8" drill bit to pre-drill through the face of the front cover and the end plate tab. Secure the front cover using the provided 3/8" painted screw.





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Use a 1/8" drill bit to pre-drill through the access flap in the bevel at about 1/2" from the left and right of the ends. Hook the access flap onto the front cover and secure it using the painted 3/4" self-tap screw.



7.0 Fabric Telescope Adjustment

Fabric telescoping is excessive horizontal movement of fabric while shade rolls up on the tube. Shades are tested and fabric telescoping is adjusted prior to shipment, but additional adjustments may be required depending on each specific application.

If fabric adjustments are required, roll the shade all the way down so the tube is exposed (this will require adjustment of the lower limit using the Motor Programming Instructions for motorized shades. For manual crank shades refer to section 5.2 Manual Crank Shades.

Place a piece of duct tape, 2"-4" in length, near the edge of the tube on the side opposite of the direction the fabric is moving.

Run the shade up and down a few times. If the shade still telescopes, repeat the process. The correct amount of tape can only be determined by trial and error. Re-set the lower limit after completing shade adjustments.



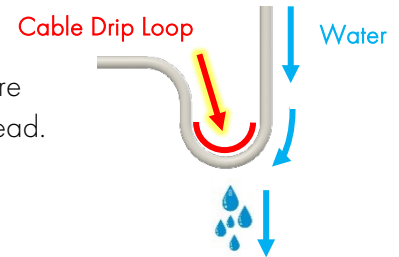
Oasis® 2800 Patio Shade Installation Instructions

8.0 Somfy Motor Wire Options

Insolroll offers a wide range of motor wires to accommodate most applications. Standard wires are single wires that route from the motor directly to the power source. Fast Connect wires come as two separate wires, a male connector and your choice of the three available female connectors.

8.1 Drip Loop

Always orient the power wire so it does not interfere with the shade operation. Ensure there is an adequate drip loop length so no condensation can travel to the motor head.



8.2 Standard Motor Wire Options



Molded Plug

Great for plug and play applications.

Requires a 1 1/4" hole to be drilled in order to route through the enclosure. (No grommet included)

Readily available in four lengths: 18", 6', 10', 24'



Hardwire

Most versatile option available. Direct wire into J-box or add a universal wall plug for plug and play applications.

Requires a 3/8" hole to be drilled in order to route through the enclosure. (Grommet is included)

Readily available in one length: 24'

8.3 Fast Connect Motor Wire Options

Male Connector



Connects the motor to any of the three available female connectors.

Requires a 7/8" hole to be drilled in order to route through the enclosure. (Grommet is included)

Only available in one length: 19"



Molded Plug

Great for plug and play applications.

Readily available in one length: 8' 4"



Hardwire

Most versatile option available. Direct wire into J-box or add a universal wall plug for plug and play applications.

Readily available in one length: 8' 4"



J-Box Wall Plate

For applications where J-box is within 1' from the motor side of the shade.

Only available in one size where wires on the back are 4" long and the connector protrudes 2" from the front of the plate.