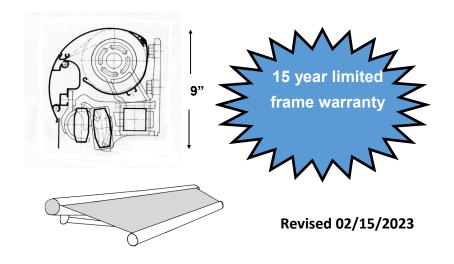


SUNTUBE® Retractable patio awning

The Suntube® awning system is the ultimate state of the art retractable patio awning system. The Suntube® enjoys the many of the same quality components as on our popular Sunair® model. The fabric of the Suntube® is entirely protected by a tubular hood system when the awning is retracted. The tube is extremely attractive styling with a designer styled end cap for a finished look.

Туре	Standard Frame Colors	Standard Widths	Standard Projections	Recommended Applications	Recommended Fabrics
Lateral Arm Awning	9 standard Sunair colors	Through 20'	4'2", 5'7" 6'11", 8'7", 10'2", 11'6", 13'0",	Deck, Patio & Storefront Roof mounts	Sunbrella, Tempotest / Para, Sattler, & Recasens

- Tubular aluminum hood design protecting the fabric.
- Highest quality Lateral Arm Awning.
- Forged aluminum elbow and shoulder components.
- Double stainless PVC coated cable arm design for durability.
- 4:1 / 8:1 Bevel gear for most efficient operation.
- All aluminum extruded front bar, Torsion bar, and roller tube.
- Powder coated components and extrusions.
- A stop in the gear to prevent the fabric from over rolling.
- Stainless steel fasteners.



SUNTUBE® MODEL FEATURES:		<u>COMPETITION</u>	SUNTUBE® BENEFIT:	
ARMS		All arm parts under stress are made of forged alumi- num including the shoulder, elbow, and arm compo- nents. All arms 8' 7" and above use three heavy duty steel springs.	Others typically uses all Die-cast or extruded aluminum arm parts and one or two springs to save on cost.	Forged aluminum arm compo- nents are stronger than all die castings or extrusions resulting in a stronger awning against the elements. Three heavy duty steel springs provide better arm ten- sion and longer arm life.
TUBULAR HOOD		The Suntube⊛ is unique in the fact that it has a built in hood that protects the awning fabric when the awning is retracted.	Most systems in- cluding our other two systems use an optional aluminum hood sometimes made of fabric.	The tube truly protects the fabric when the awning is in retracted position. The tube also has a finished look second to none.
ELBOW		The Suntube⊛ uses twin high quality stainless aircraft cable covered in a vinyl PVC sleeve. The hinge is triple angled with an elliptical cable radius.	Typically the competition uses a single smaller cable which is not always coated. Most systems do not have this angle and the fabric rubs on the arms.	Twin covered cables are far superior to a single cable, as cable wear is reduced, allowing better arm and fabric tension and durability. The elliptical cable radius increases tension as the awning extends. The angles help keep the fabric from dragging on the arms.
GEARS		Suntube⊛ uses a heavy duty German 4:1 ratio bevel gear with a stop.	The competition often uses inferior quality 7:1 gears without a stop	The 4:1 gear is the most efficient gear made. This gear minimizes the time and effort needed in operating a manual awning. The stop eliminates fabric damage due to over rolling.

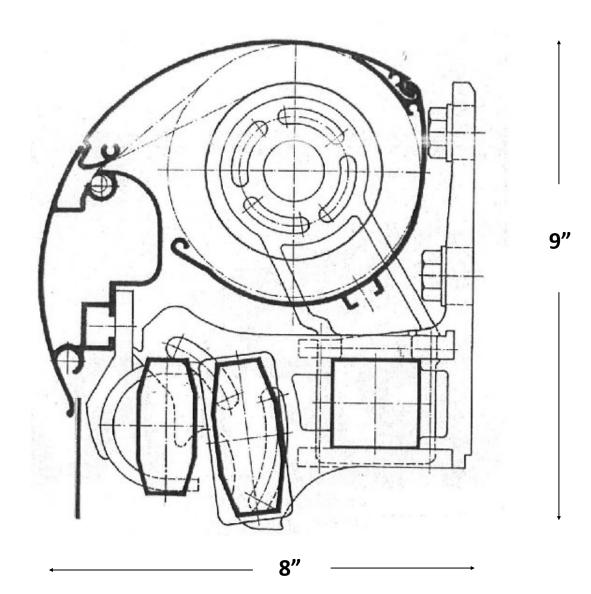
SUNTUBE® MODEL FEATURES cont.		COMPETITION	SUNTUBE® BENEFIT:	
PROFILES & PAINT		All extrusions and components are exclusively made of the highest quality aluminum. The extrusions and aluminum parts all elec- tro statically powder coated.	The competition often mixes aluminum and steel profiles to save on cost. Competitors very often actually wet – lacquer the extrusions to save on cost.	Aluminum extrusions are strong, yet will not corrode over time like steel. This equates to a longer lasting awning. Powder coating is more attractive and holds up better against the elements, resisting cracking and peeling.
FABRICS		Hundreds of 100% acrylic premium grade solid and striped fabric colors to choose from. You surely will find a fabric to suite your need and taste.	Sometimes the competition uses vinyl or a non acrylic fabric. Some companies use poor quality lighter thickness acrylics fabrics.	Acrylic fabric is more attractive and breaths better than vinyl. Vinyl traps heat and will crack over time. Acrylic fiber is also resistant to fading and mildew and has a water repellant Teflon coating.
THREAD	STITUTE WITH STATE TAREA	All fabrics are sewn with Tenara® thread. This thread is manufactured from GORE-Tex, and is clear and nearly invisible.	The competition typically uses a synthetic thread. Often the competi- tion cuts corners and uses only a white thread which is very visible on the fabric.	Tenara® thread is made of Teflon and will not deteriorate from exposure to the elements. The clear thread is nearly invisible on most fabric colors.

Note: Available features will vary by model

THE SUNTUBE IS THE CLEAR CHOICE!



$SUNTUBE_{\ensuremath{\mathbb{R}}} \text{ Cross section}$



Suntube Installations



Suntube® extended



Suntube® retracted



Suntube® is ideal for roof mounts



Suntube® up close

BENEFITS OF AWNINGS

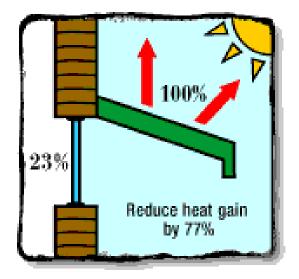


- Reduces indoor temperatures and energy costs while keeping you cool on your deck or patio.
- Reduce heat gain inside by as much as 77% and reduce sunlight and glare through your window by as much as 94% (see Minnesota energy study).
- A Sunair awning keeps you cool on your patio or deck, but it also minimizes your exposure to the sun's harmful rays.
- A Sunair® retractable awning will increase your outdoor living area comfortably and efficiently at a fraction of the cost of a permanent addition
- Increases the value of your home.





RECOMMENDED AS AN EFFECTIVE UV PROTECTANT

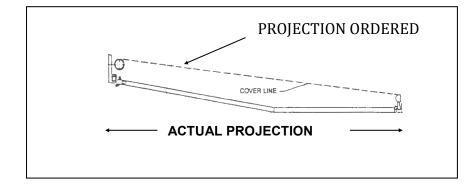


MEASURING A LATERAL ARM AWNING:

WIDTH:

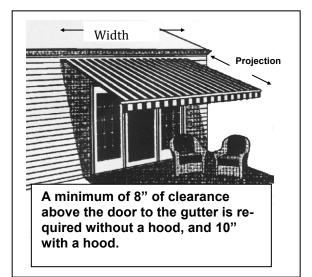
The width is based upon the size of the deck. Due to the large sizes of some decks it is not always necessary to cover the entire deck. Make sure the wall is free of down spouts, chimneys and electrical conduit. Any object protruding out from the wall will interfere with the roller mechanism. Note the hood is always 1" wider than the width of the awning frame. The fabric width is always 5" less than the awning frame on units up to 20' wide, and 5 $\frac{1}{2}$ " less on units over 20' wide. If the deck faces the West, then projection is important to consider. If the deck faces South, then width is important to consider.

The roller assembly of the SUNAIR $_{\odot}$ measures 8" high without a hood and 10" high with a hood. Be certain that you have at least 8 – 10" of unobstructed mounting surface.



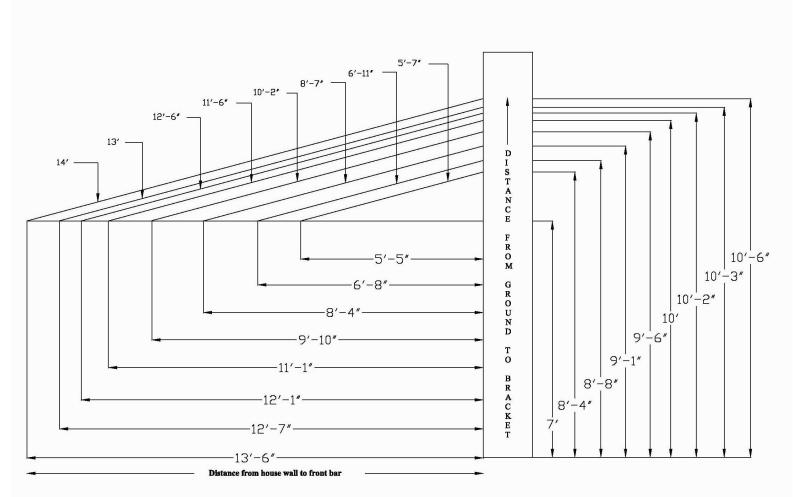
PROJECTION:

Determine the ground clearance above the door or window and then determine the desired projection. Refer to the pitch chart on next page for the ideal mounting height and pitch for the desired projection. The greater the pitch on the awning the less projection it will have (see pitch chart). When the awning is extended the front bar should be at least 7 ft. off the deck or patio. On a commercial installation the distance from the ground to the front bar should be at least 8 ft. depending on local codes. The pitch chart indicates that for every 12" of projection of the awning the mounting brackets should be located 3" higher than the front bar when the awning is extended (3/12 rule).



The SUNAIR® Lateral Arm Awning is designed for residential decks, patios and commercial storefronts. Smaller projections should be used for a storefront awning. The awnings are designed for sun protection; they are not designed to withstand wind or heavy rain and should not be sold for such purposes (see warranty).

PITCH CHART AND IDEAL MOUNTING HEIGHT



<u>For example</u>: The brackets on an awning with 10' projection needs to be mounted 9'6" from the ground on a residential installation, 10' x $3^{"} = 2'6" \& 2'6" + 7' = 9'6"$). Because the ideal pitch may not always be attained, it is possible to install the awning lower than the ideal pitch. While the "3/12" rule is ideal, it is perfectly fine to install the awning with a 2/12 pitch. A 1/12 pitch is absolute minimum. Maximum pitch is 45°.

Note: A good rule of thumb is never to install a Lateral Arm Awning below 8 feet at the top of the installation bracket. If only eight feet is attainable do not install an awning with more than 10'2" projection. If the installation height is too low or the desired projection is too great for the available space the awning may have to be installed on the roof (see the installation manual for each individual model).

OPTIONAL LED KITS FOR YOUR LATERAL ARM AWNING

SOMFY LIGHT KITS



somfy.

- Available in warm white and cool white colors.
- Kits available for arms on awning system.
- Compatible with the Sunea SOMFY manual override motor only.
- Uses a Dimmable remote lighting kit.
- Use a multi channel remote.
- Lights installed in the field by dealer.

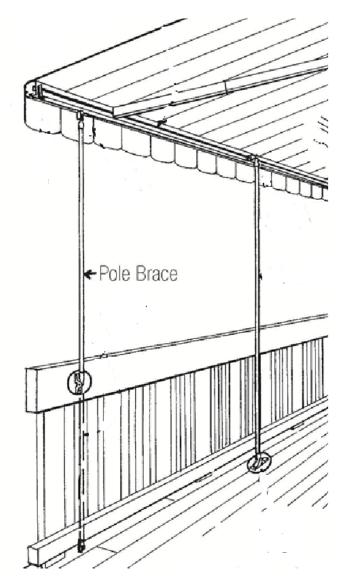
SUNAIR LIGHT KITS

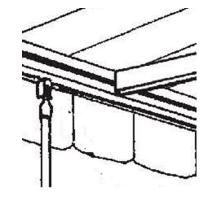


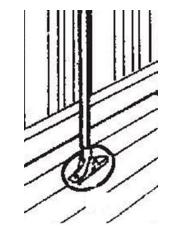
5MM ILUMA™ LIGHT STRIPS

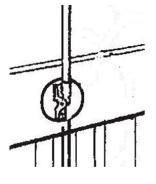
- Available in warm white color.
- Kits available for arms and front bar .
- Compatible with the Sunea SOMFY manual override motor and can be used with other motor systems as well.
- Uses a Dimmable remote lighting kit.
- Use a multi channel remote.
- Lights installed at the Sunair factory during assembly.

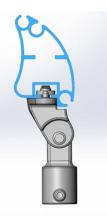
AU41 AWNING ASSIST BRACES











Sunair® Front



Sunstar® Front

8 ft. Long Minimum 2 posts needed per awning. One (1) post per arm needed. If 3 arms, 3 posts needed. For Sunair®, Sunstar®, and Sunchoice® models only (Not for Suntube® model). Must be released before operating awning.

AU41 Available Colors:

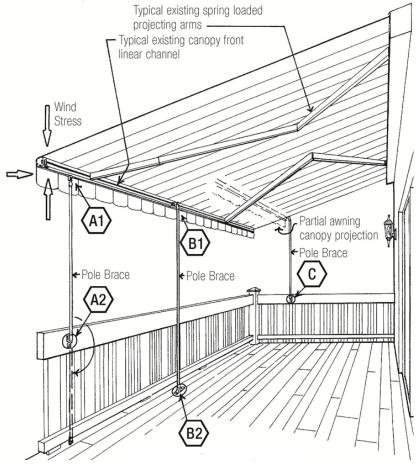
White, Mocha, Ivory, Black

<u>Note: colors may not match exactly with awning</u> <u>frame.</u>

ASSIST BRACES cont.

Typical Installation of the manually operable pole brace to a typical existing awning canopy

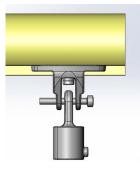
- A1 Top end of pole brace secured to bottom slot channel of existing front linear aluminum extruded channel.
- A2 Lower end secured to a existing rail or wall.
- B1 Top end of pole brace secured to rear slot channel of existing canopy front linear aluminum extruded channel.
- B2 Lower end secured to a existing ground building surface.
- C During the partial projection of a existing awning canopy the lower end of pole brace may be secured to ground surface or side rail or wall.



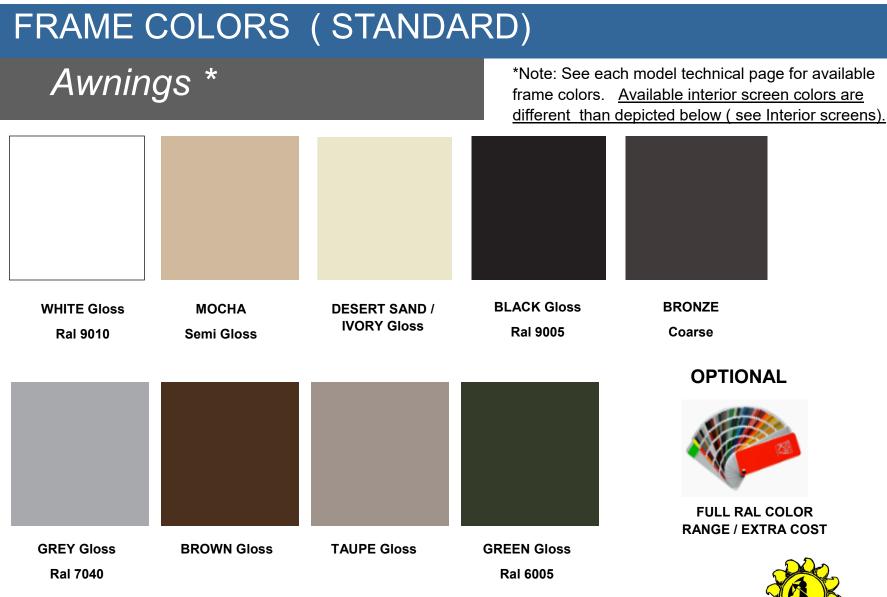




8 ft. posts can be cut down to desired length.



NOTE: The Assist braces provide added stability to a retractable awning when it is extended. Adding these posts does not make the awning into a stationary awning. There is also no guarantee the awning will not be damaged in wind. Damage to awning or property is NOT covered by the Sunair® warranty. Please see warranty and separate instructions for proper use of these posts.



NOTE: All these colors except Green Ral 6005 and Desert Sand / Ivory are "super durables" which offer better durability compared with standard polyesters powders.



NOTE: ACTUAL FRAME COLOR MAY VARY FROM DIGITAL IMAGES





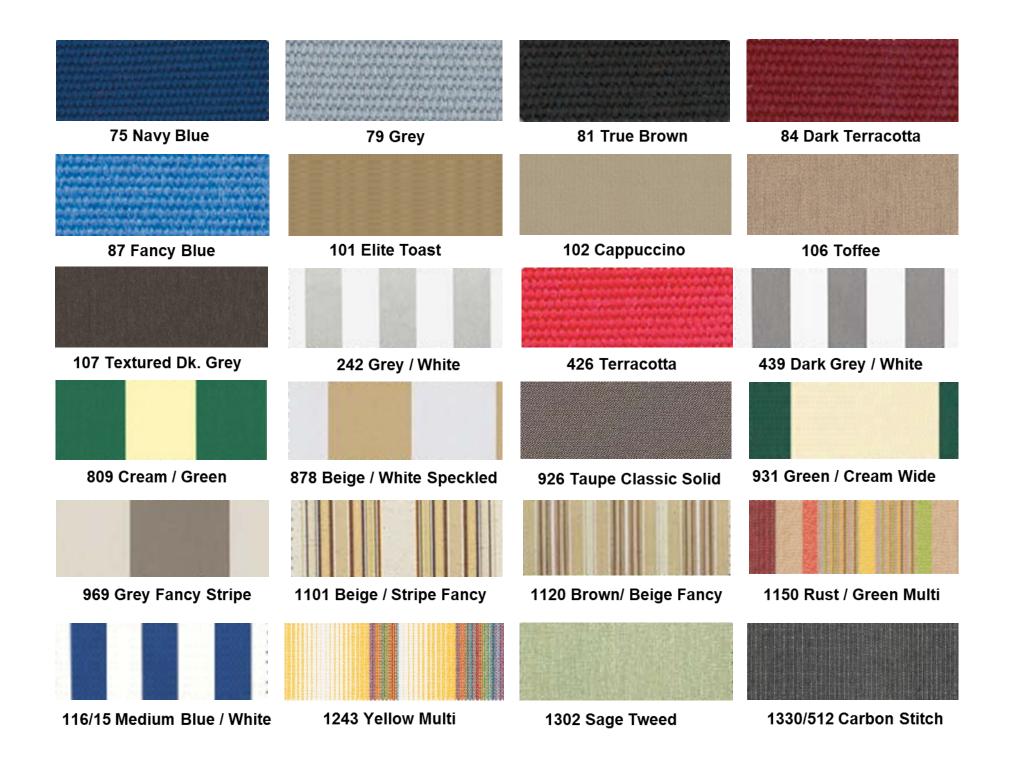
ACRYLIC FABRIC COLLECTION

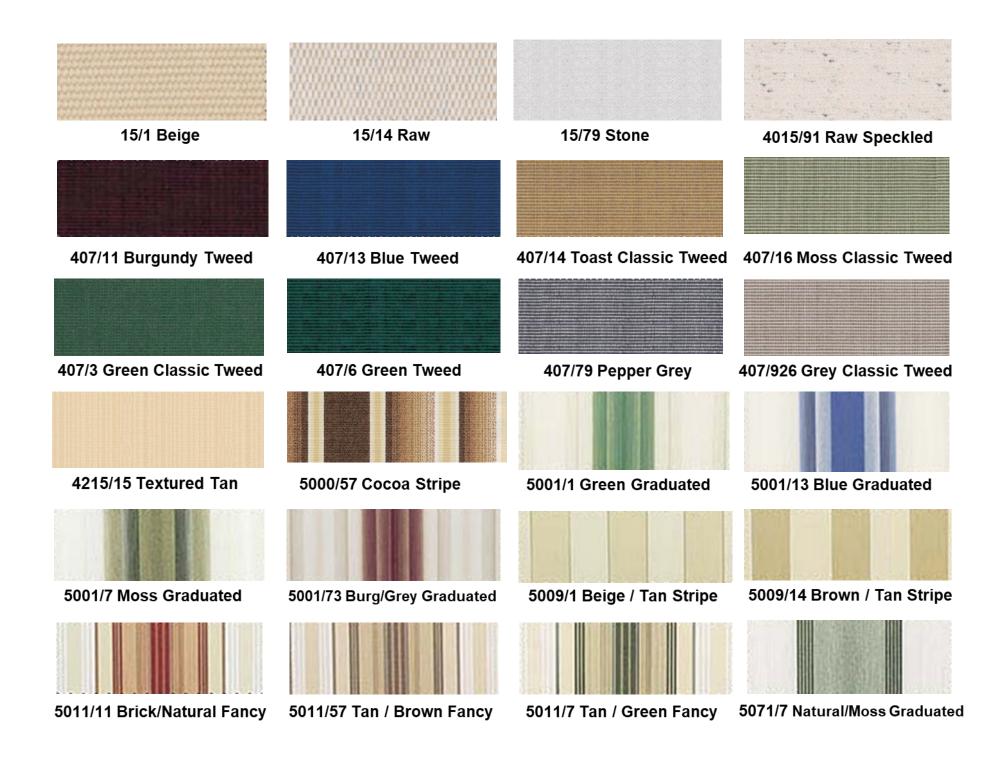


Fabric covers sewn with Tenara thread.





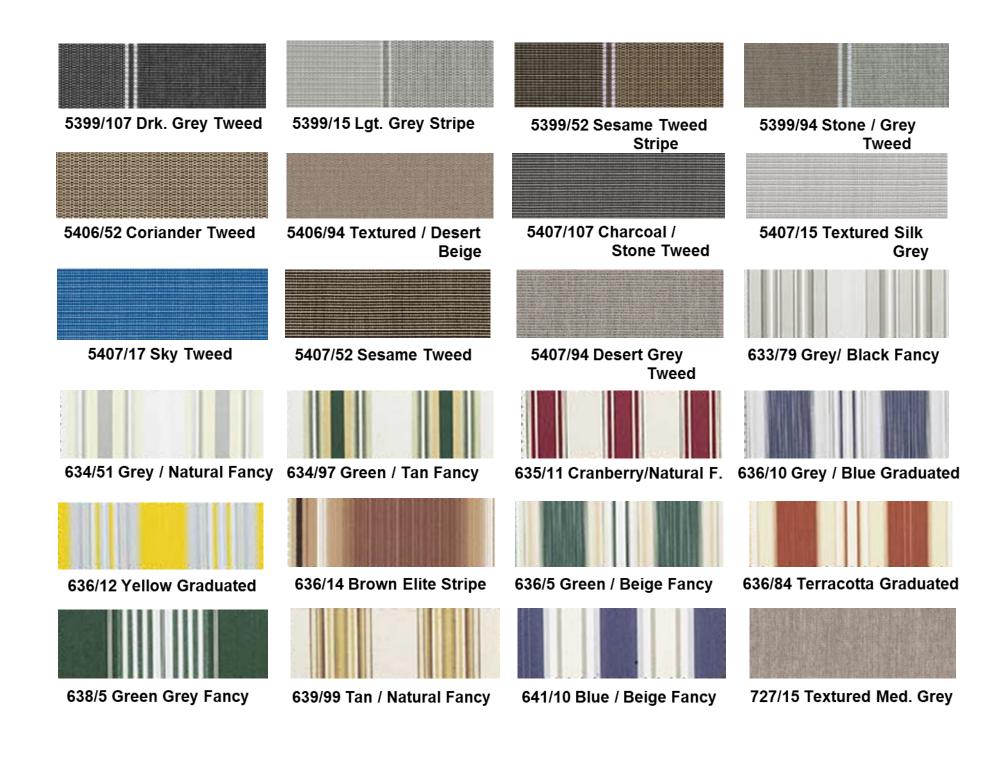






Graduated

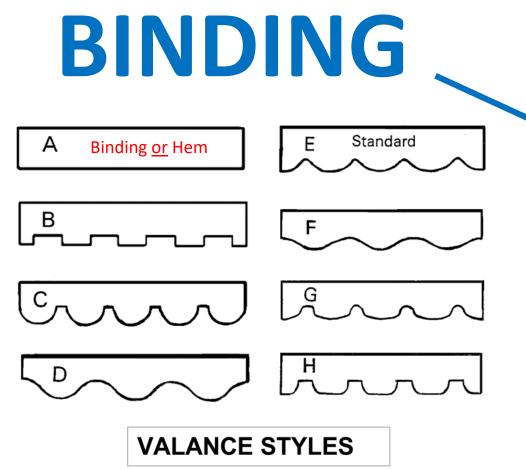
5398/930 Dune / Browi Striped





Grey

bie



Note:

"A" style straight valance is available with either binding sewn in at bottom, or bottom hem, without binding. All remaining valance styles must have a binding sewn in at bottom (see binding color chart).



Standard valance styles are listed here. Some styles may vary depending on the pattern and where the stripes fall. If a custom valance is required, include a well-dimensioned sketch with the order as well as instructions on style. Our standard valance is "E", if no valance style is specified, we use "E".

BINDING COLORS



Colori e numerazioni sono identici alle tinte unite del Tempotest j' Coloris et numÈration sont les mÍmes que les unis du Tempotest Colours and colour references correspond exactly to the Tempotest plains range j' Die Farben bzw. die Farbnummer stimmen mit den Tempotest Uni-Farben , berein Colores y numeraciÚn son iquales que los lisos del Tempotest





SOLIDS · TWEEDS · BLOCK STRIPES · FANCY STRIPES · GRADUATED STRIPES

5	Forest Green	4
7	Moss Green	4
8	Medium Green	-
11	Red	
12	Yellow	4
13	Ocean Blue	40
14	Toast	42
15	White	50
24	Black	5
33	Forest Green/White	50
35	Red/White	5
37	Yellow/White	50
47	Brown/Stone	5
52	Tan	50
53	Pale Peach	50
73	Burgundy	50
75	Navy Blue	5
79	Grey	5
81	True Brown	50
84	Dark Terracotta	51
87	Fancy Blue	51
101	Elite Toast	51
102	Cappuccino	5
106	Toffee	5
107	Textured Dark Grey	51
242	Grey/White	53
426	Terracotta	53
439	Dark Grey/White	53
809	Cream/Green	53
878	Beige/White Speckled	53
926	Taupe Classic Solid	534
931	Green/Cream Wide	534
969	Grey Fancy Stripe	
1101	Beige/Stripe Fancy	
1120	Brown/Beige Fancy	537
1150	Rust/Green Multi	
116/15	Medium Blue/White	53
1243	Yellow Multi	539
1302	Sage Tweed	53
1330/512	Carbon Stitch	53
15/1	Beige	539
15/14	Raw	539
15/79	Stone	539
4015/91	Raw Speckled	53
407/11	Burgundy Tweed	53
407/13	Blue Tweed	53

407/14	Toast Classic Tweed
407/16	Moss Classic Tweed
407/3	Green Classic Tweed
407/6	Green Tweed
407/79	Pepper Grey
07/926	Grey Classic Tweed
215/15	Textured Tan
5000/57	Cocoa Stripe
5001/1	Green Graduated
5001/13	Blue Graduated
5001/7	Moss Graduated
5001/73	Burgundy/Grey Graduated
5009/1	Beige/Tan Stripe
5009/14	Brown/Tan Stripe
500 <i>5/</i> 14 5011/11	Brick/Natural Fancy
5011/57	Tan/Brown Fancy
	Tan/Green Fancy
5011/7	Natural/Moss Graduated
5071/7	
072/86	Brown/Stone Fancy
5118/62	Yellow/White Fancy
5144/14	Pastel/Natural Fancy
5167/11	Red/Grey Fancy
5167/2	Blue/Grey Fancy
5167/5	Green/Grey Fancy
5173/12	Yellow/Grey Stripe
5304/15	Rose/Grey Stripe
5347/58	Grey/Wheat Multi
5347/79	Platinum Grey Multi
5348/58	Beige/Wheat Multi
5348/79	Grey/Slate Multi
849/106	Brown/Cream Stripe
849/930	Beige/Brown Classic
5369	Charcoal/Brown
5370	Beige/Grey
371/727	Grey/Black Stripe
5374	Smoke/Grey Stripe
5396/78	Green Tweed Stripe
896/930	Hazelnut Stripe
5396/97	Charcoal Tweed Stripe
5397/97	Grey/Black Graduated
898/107	Carbon Blue Blend
898/930	Dune/Brown Stripe
899/107	Dark Grey Tweed
5399/15	Light Grey Stripe
5399/52	Sesame Tweed Stripe
5399/94	Stone/Grey Tweed
	-

5406/52	Coriander Tweed
5406/94	Textured Desert Beige
5407/107	Charcoal/Stone Tweed
5407/15	Textured Silk Grey
5407/17	Sky Tweed
5407/52	Sesame Tweed
5407/94	Desert Grey Tweed
633/79	Grey/Black Fancy
634/51	Grey/Natural Fancy
634/97	Green/Tan Fancy
635/11	Cranberry/Natural Fancy
636/10	Grey/Blue Graduated
636/12	Yellow Graduated
636/14	Brown Elite Stripe
636/5	Green/Beige Fancy
636/84	Terracotta Graduated
638/5	Green/Grey Fancy
639/99	Tan/Natural Fancy
641/10	Blue/Beige Fancy
727/15	Textured Medium Grey
739/701	Sage/Beige Fancy
769/75	Cream/Blue Fancy
782/14	Beige Solid Classic
873/151	Dune Tweed
873/2	Textured Cocoa
939/94	Grey Elite Stripe
940/5	Green Elite Stripe
947/14	Pale Beige Classic
949/91	Brown/Beige Classic
950/24	Grey/Charcoal Classic
951/92	Grey/Navy Classic
967/926	Grey/Charcoal Elite
968/426	Terracotta/Cream Fancy
97/84	Plum
986/106	Textured Beige
986/15	Textured Light Grey
986/727	Textured Pebble Grey
	-





Sunair is proud to offer the full line of Somfy motors and controls for our awnings and screens program SOMFY RTS features motors with an integrated radio receiver that allows you to operate the awning by remote control with a wall mounted or hand held remote or by smart phone device. With a simple click of your remote, the awning or shade will extend or retract automatically. The manual override Sunea motor is ideal for awnings and the Altus motors is ideal for exterior screens. Each motor can be configured with a cord & plug which can simply be plugged into your patio outlet. They are available in 1.4", 11', 17', & 23' lengths. Altus motor cords depend on motor model and is standard either 6' or 10' pigtail cords. Optional Altus plug in cords are available in 10', 18', and 24 ' lengths. Optional screen motor is Maestria with obstacle detection. Add Tahoma smart phone and table interface.





Sunea quick connect

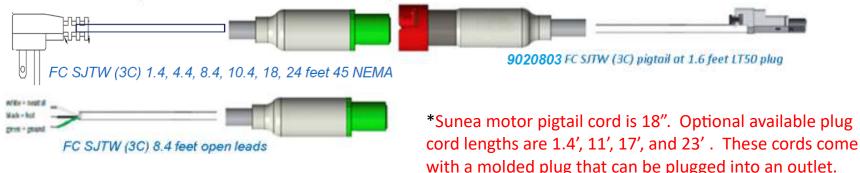
Twist & Lock Fast Connector Solution for 500 Series Motors Available 500 Series Motor cable options Q4 2019

- > Optional LT50 pigtails :
 - 1.6FT SJTW pigtail with LT50 plug on one end & FC on the other
 - 4 conductor version for Wired motors
 - 3 conductor version for RTS & SDN motors
- > Optional extensions in various lengths for both 4 & 3 conductor cables.
 - same extensions for all AC motors Sunea, Dia. 40 & 50 ranges
 - interior & exterior rated
 - simplify our offer and standardize going forward with the possibility to totally eliminate the Anderson connector

Version 4 Conductors (for WT motors – mechanical LSUs)



Version 3 Conductors (for RTS & SDN motors – electronics LSUs)



SUNEA CORDS*

SOMFY REMOTES:



One (1) through (16) channel hand held or wall mounted remotes are available. <u>Remotes are available in</u> <u>different colors to suit your style,</u>

<u>please inquire.</u>



Telis hand-held remotes offer convenient and simple operation of every type of motorized application. Channels help organize the motorized products that are operated. Single channel remotes can operate one individual product or one group of motorized products. Multiple channel remotes can handle groups of motorized products.



AVAILABLE AUTOMATIC SENSORS & CONTROLS





EOLIS 3D WIREFREE™ RTS Wind sensor for lateral Arm Awnings only

The Eolis 3D WireFree[™] RTS Wind Sensor is a wireless, battery powered wind sensor that will automatically retract an awning based on wind generated movements.



SOLIRIS RTS 24V KIT Sun & Wind Sensor

The Soliris RTS Sun and Wind Sensor automatically controls your RTS motorized products based on current weather conditions.



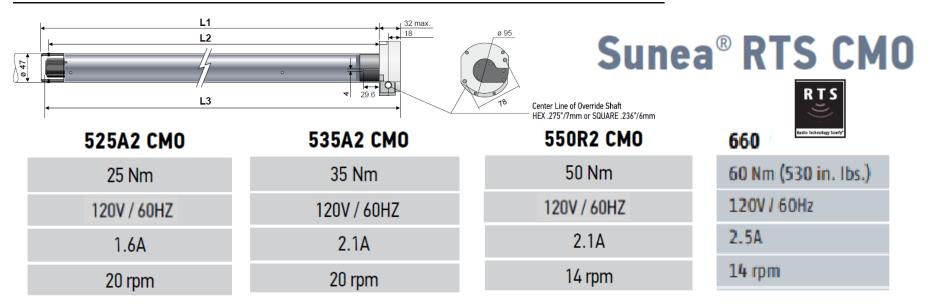
ONDEIS® WIREFREE Sun & Rain Sensor

The Rain Sensor is a solar-powered combined rain and sun sensor compatible with Radio Technology Somfy[®] motorized exterior products, including awnings and screens.



Sunis & ThermoSunis Indoor WireFree™ RTS Sensors

Dimensions





Somfy TaHoma[®] RTS Smartphone and Tablet Interface

The Somfy TaHoma[®] gateway and smart phone app provides convenient and customized control of Somfy powered motorized shades, blinds, and other motorized solutions. Control up to 40 RTS (Radio Technology Somfy) channels using the TaHoma app. Multiple TaHoma devices can be joined for multi-zone control.



- North America app, you can remotely activate both Zigbee and RTS products Supports UP/ DOWN/MY/STOP commands for motorized shades/blinds.
- Supports incremental control for Tilt motors and lighting I Supports ON/OFF commands for control of lighting or other devices powered via the Zigbee Smart Plug Multiple users .
- Remote access Control4[®] Certified
 Integration with third-party systems over IP
 Compatible with Somfy Synergy[™] API





TaHoma® RTS

Bond Home / Smartphone and Tablet Interface

Bond Bridge and Bond Bridge Pro works as a bridge between Wi-Fi and your remotes recorded signal allowing you to operate your Sunair shades, awnings, pergolas, ceiling fans, fireplaces and more with the Bond app. Works with Somfy and other motor manufacturers.



Remote control from anywhere

Be able to control everything even from outside your home.

Bond Bridge

- Works with Alexa, Google Home, and SmartThings,
- Remote Control via Bond Home app
- Works with iPhone or Android
- No installation needed
- Smart home functionality without breaking the bank

Bond Bridge Pro: Added features...

- Ethernet port & PoE technology
- Smart home integrations
- Ceiling and wall mount

OPTIONAL:

• <u>Sidekick for Shades</u>: 5-channel Shade and awning

BOND REMOTE SWITCH:

Sidekick for Shades/Awnings: 5-channel Shade Keypad

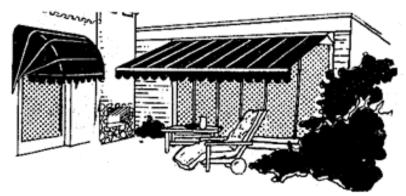


o bond

- Wireless flush mount shade remote.
- Communicates directly with the shade.
- 10-year battery life.
- Set up shade limits no manufacturer remote required.
- This version of Sidekick does not support Scene Keypad functionality.
- 10-year battery life.
- Install with or without a workbox (flush mount).
- 5-channel control.
- Set up shade limits no manufacturer remote required.

Notes

Note: Sunair[®] reserves the right to change engineering, specifications and prices without notice. Images and Illustrations in the catalog may vary from digital and printed manuals.





SUNPROOFING AMERICA!



MARYLAND LOCATION

Mailing: P.O. Box 1068 Shipping: 7785 Rt. 175 Jessup, MD 20794

Toll Free	800	- 548 -	0408
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- Phone: 410 799 1145
- Fax: 410 799 5584

www.sunairawnings.com

ARIZONA LOCATION

Mailing: <u>Same as Jessup</u> Shipping: 3807 West Thomas Rd. Phoenix, AZ 85017

Toll Free	877 - 272 - 3920
Phone:	602 - 272 - 3920
Fax:	602 - 272 - 3925

info@sunairawnings.com