

SHADE BY DESIGN

“Your Outdoor Living Specialists”



Retractable Fabric Awnings

Operating Instructions/
Product Care



Indianapolis, Indiana

Congratulations! The OakTree awning installed on your home is the most dependable lateral arm awning system available in the market today. OakTree will allow you to expand your living space to the outdoors and enjoy an economical and decorative solution to controlling the intense and harmful rays of the sun.

After more than 20 years of engineering research, an OakTree lateral arm awning will offer years of worry free operation. Shade By Design offers over 70 years of industry leading experience. We support a comprehensive dealer network that offers you, the consumer, a product selection that is second to none.

For your records, we've included a parts manual, care and instructions, and a registered serial number.

We've also included information on accessories that can be added in the future. Motorized units allow push button control of your awning without leaving the comfort of your home. Wireless remote controls are also available. We also offer solar powered wind and sun sensors that automatically control your awning in varying weather conditions; providing shade in the direct sun and retracting the awning in windy conditions.

Your registration serial number is _____

Your OakTree awning was proudly assembled by:

OakTree awnings are installed by professionals in our dealer network family. If you have any questions regarding your awning or if you are interested in the advanced features available, please call:

Shade By Design, Inc.
6321 E. 30th St., Ste. 206, Indianapolis, IN 46219
Phone: 317.602.3513

Dear Valued Customer:

Congratulations on your decision to purchase an OakTree Lateral Arm Awning. We are committed to providing you with a quality awning that will give you shade on demand quickly and conveniently.

To insure a long life for your awning, we ask that you please refer to the instructions listed within this manual.

Happy, satisfied customers are what we pride ourselves on. We ask that you share your new awning with friends and family so they can enjoy it too.

If you have any questions concerning the care, maintenance, or operation of your OakTree awning, please contact your local OakTree dealer.

We are sure you will enjoy the beauty, comfort, and ease of operation of your new OakTree Retractable Awning.

Thank you for selecting an OakTree Retractable Awning!



Awning Care

Fabric

OakTree uses 100% solution dyed, acrylic fabric. It is guaranteed for a period of 10 years against loss of color or strength from normal exposure conditions including sunlight, mildew, rot, and atmospheric chemicals. The fabric is treated with a fluorocarbon substance which provides water repellency.

Fabric Care

Awning fabrics should be cleaned regularly before substances such as dirt, bird droppings, roof particles, etc. are allowed to accumulate and become embedded in the fabric. The fabric can be cleaned without being removed from the frame by simply brushing off any loose dirt or hosing it off with water. If further cleaning is necessary, add a mild natural soap to lukewarm water and lightly clean the fabric with a sponge. Rinse thoroughly to remove any soap. Allow the awning to dry before retracting. Do not use detergent. Do not steam, dry, or press the awning with excessive heat. Never store your fabric in a plastic bag, this can cause trapped moisture and promote mildew.

Recommended Cleaners: 303 Fabric Cleaner, 303 Fabric Protectant, Wet 'n Forget, Dawn (dish soap) and Simple Green.

Framework

The aluminum parts of your awning are powder coated, and the hardware is stainless. We recommend that you hose off the awning framework and wipe it with a soft cloth at the start and end of each season. After the unit is dry, lubricate the moving parts with silicone as noted. Avoid spraying the silicone on fabric since this may cause discoloration or staining. You may also wax the framework with a non-abrasive polish.

Motors

Motors are placed in the roller tube and require little or no maintenance. If your motor should fail to function, please refer to the Troubleshooting Section of this manual. If you are not able to troubleshoot the problem, please contact your local OakTree dealer for service.

Seasonal Checks

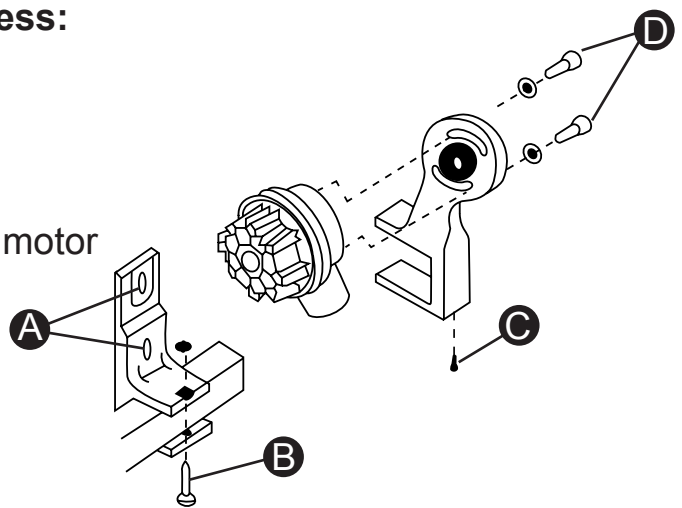
Immediately after installation, please complete the following check list to enjoy your awning for many years:

- ✓ Test the operation of the awning at least once with the installer.
- ✓ The installer will set the awning at the desired pitch of your choice or the conditions of requirement.
- ✓ Check to make sure the front bar is level along the entire span of the awning.

Maintenance & Service Instructions

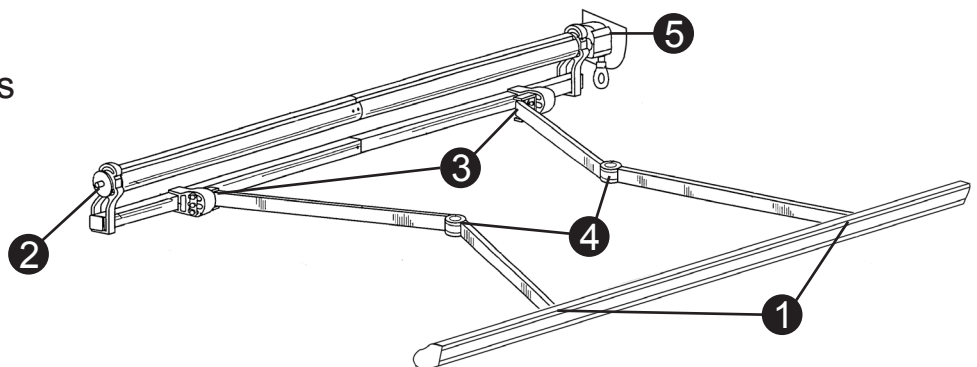
Check these bolts and screws for tightness:

- (A) Lag bolts holding mounting brackets
- (B) Bolt holding support tube in bracket
- (C) Allen screws in bottom of end bracket
- (D) Drive mounting bolts that hold gear or motor



Your awning is designed so that maintenance is normally not required. It is advantageous to lubricate the moving parts with a silicone lubricant. The lubrication and checking should be done a minimum of twice a year--April and October. If usual creaking occurs, try lubrication before calling your dealer. Keep lubricant away from fabric to prevent staining.

- (1) Front Bar Connectors
- (2) Idler Gear
- (3) Arm Brackets
- (4) Elbows
- (5) Gear



Troubleshooting Common Problems

The following troubleshooting answers may save you a service call and service fee.

Your awning will not operate

1. Check power

- A. Check all GFI (Ground Fault Interrupter) outlets to make sure none of them have been tripped. If you find one that is, reset it.
- B. Check your main electrical panel. Make sure no GFCI (Ground Fault Circuit Interrupter) breakers or regular circuit breakers have not been tripped. If you find one, reset it.
- C. If you know which circuit breaker supplies power to your awning, turn it off and back on. This will reset the memory on your motor and will usually correct errors caused by power outages or surges.

2. Check batteries in remote control

- A. Even though you may have an indicator light working on your remote, the battery may not be strong enough to operate the awning at the normal distance. Try to place the remote as close as possible to the motor end of the awning and try to operate it. If it does work then, you will want to replace the battery as it has become weak and will not operate your awning properly.
(Refer to manual under Remote Control Operation (page 8) for instructions on how to replace the batteries in the remote.)

Awning will not retract all of the way

1. Check limits

- A. Limits may need to be reset. Please call your local dealer to schedule a service call.

Awning is no longer level in the front

1. Adjust pitch

- A. Refer to your manual under Manual Pitch Adjustments (page 6) and make appropriate adjustments as directed.

Manual Pitch Adjustment

Each arm has 5/16" Alan Screw for pitch adjustment.

To adjust pitch: extend awning to 1/3 or less of the total projection.

Adjust each arm individually counting the number of turns made with Alan Wrench. Do the same number of turns on each arm to raise and lower the pitch of the awning.

Clockwise (Right) turns - raise awning pitch.

Counter Clockwise (Left) turns - lower awning pitch.

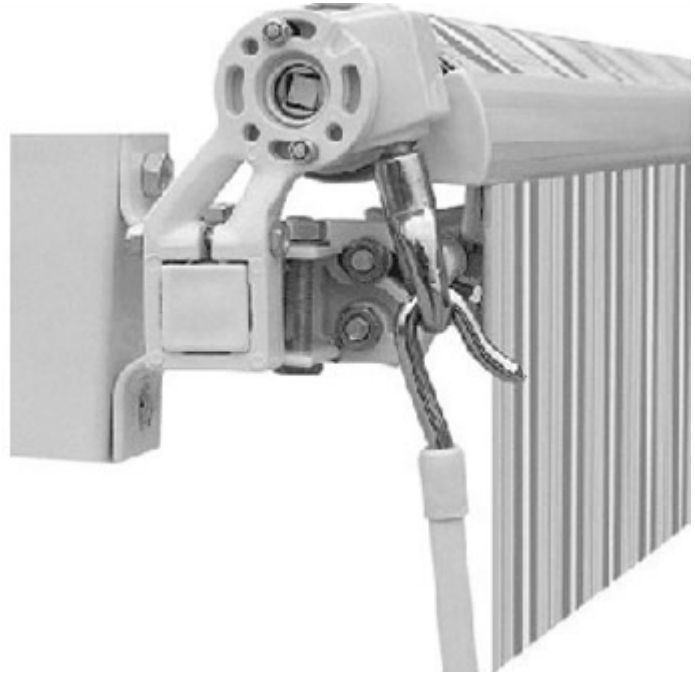


Operating Instructions

Manual Operation

Place the hook of the crank into the gear eye located on one side of the unit.

Turn the crank handle counter clockwise to extend the unit. Be careful not to roll the fabric out past the gear stops where the elbows lock out and the fabric begins to sag. If this occurs, turn the crank clockwise until the fabric becomes tight again. The arms will always have some bend to them, which allows the unit to flex and move in changing weather.



When you want to retract the unit, turn the crank clockwise until the front bar is tight against the roller tube. The fabric should close tightly under the hood. The fabric should ALWAYS roll off the top of the roller tube and never from underneath. If that should happen, please contact your local OakTree dealer.

Motorized Operation and Override Option

If your home loses power, place the hook of the crank into the gear eye located on the motor side of the unit and crank the awning to the desired position. Once you have power again, check that your awning is working properly.

Remote Control Operation & Motion Sensor

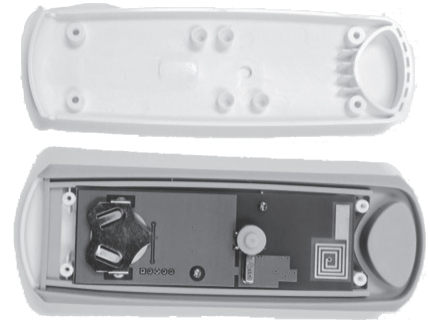
Three Button Remote with One Channel

To extend the awning, press and release the bottom button. The awning will extend to the preset projection setting and stop. To stop the awning for partial shading, press and release the middle button. You can extend the awning fully from this point by pressing and releasing the bottom button again.

To retract the awning, simply press and release the top button. To stop the awning before reaching the closed position, press and release the middle button. The awning can fully retract from the position by simply press the top button again. This remote can also memorize more than one awning in order to create a group. This item attaches to the front channel of a retractable awning at either end. It measures the angle of the front bar and the amount of movement created by wind. When the sensitivity setting is reached, it sends a signal to the awning to close.



Battery Replacement



Motion Sensor

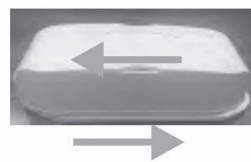
When used with a retractable awning motor, it will send a pulse to the motor a few times an hour telling the motor it's there and working. If the motor stops detecting this pulse due to drained batteries or failure, it will automatically retract the awning after about half an hour to both protect the awning and to alert the owner that the motion sensor is not working. Once the pulse is restored (usually by installing new batteries) normal operation will resume.

The motion sensor is a more reliable method of protection as it responds to actual physical movement of the front bar and not the wind speed detected by a device mounted nearby.

This unit has 9 pre-determined sensitivity settings.



Opening the unit



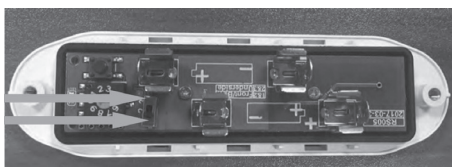
Slide in different directions to separate from mounting base



Remove two screws by screwdriver



Lift outer cover from circuit board



Battery Replacement
(2x) AAA Batteries

Frequently Asked Questions

Do I need to do anything special for winter storage?

Yes, retract the awning for the winter months.

Can I add a front drop valance to my awning?

Yes, OakTree dealers offer a 30" sun-blocking screen.

I have purchased a hand crank awning, am I able to convert it to a motorized unit?

Yes, you can. All of our OakTree awnings can be converted to a motorized unit. Just contact your local OakTree dealer and they will arrange for this upgrade.

Can I order matching awnings?

Yes, just contact your local OakTree dealer to help you make a selection.

If I sell my home and move, can I take my awning with me?

Yes.

Avoiding Problems

Do not leave your awning unattended while it is extended.

Do not extend your awning in high winds or allow your awning to remain open in high winds.

Do not allow birds to nest on your awning.

Do not allow water to accumulate on an extended awning. The weight of the water can cause pocketing or stretching of the fabric which can cause permanent damage.

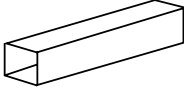
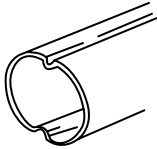
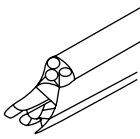

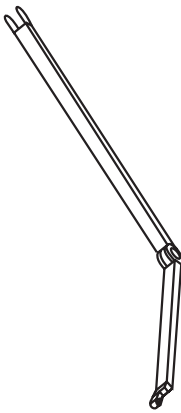
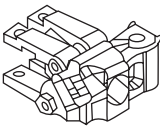

Do not rely on sun or wind sensors to protect your awning against wind damage. This damage is not covered under warranty.

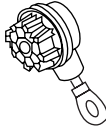
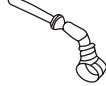
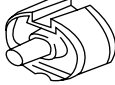
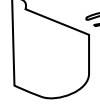

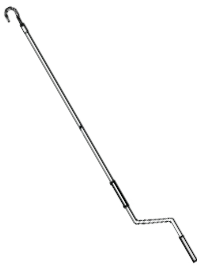

Do not cook beneath or around your awning while it is extended.

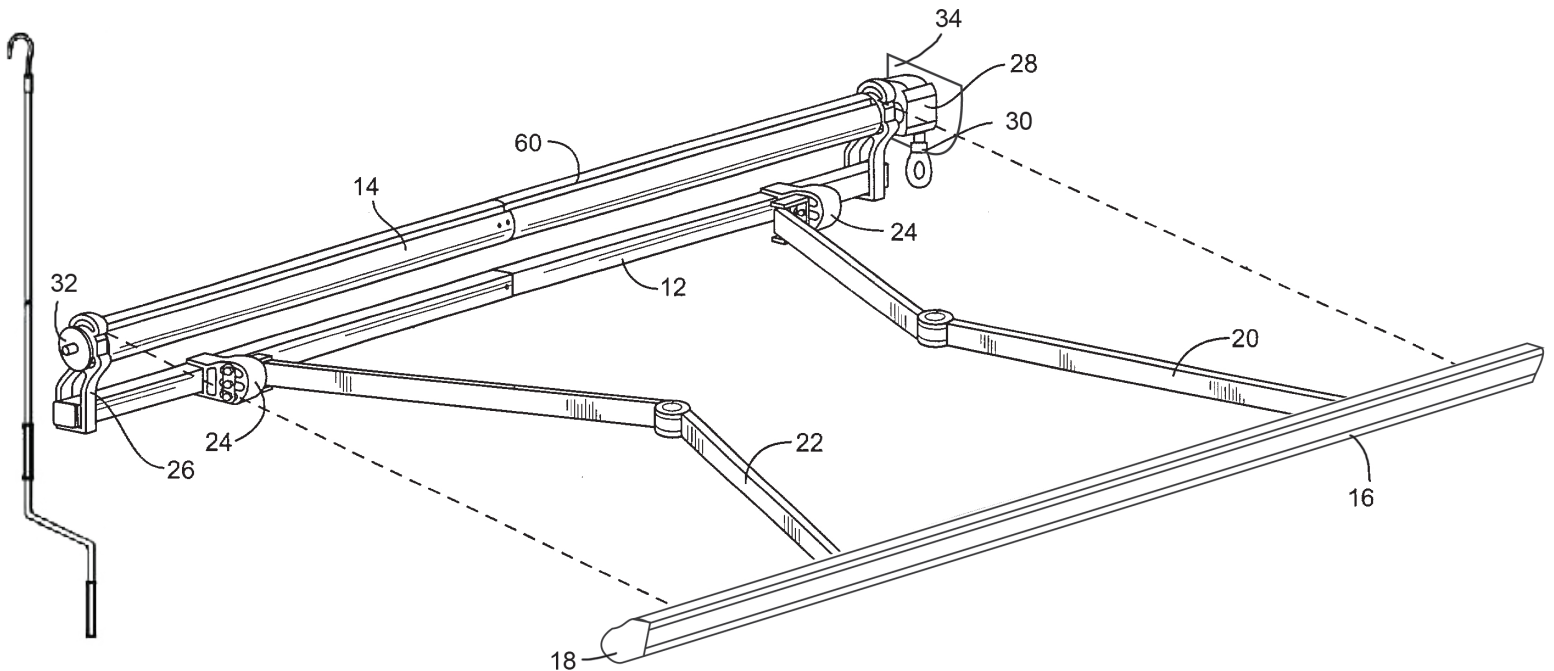
Do not attempt to remedy a situation in event of a malfunction--your local dealer will be glad to provide assistance.

Do not over extend the awning to the point where the fabric rolls back under the roller tube.

Parts Summary

NO.	DESCRIPTION	PART	COLOR	PART #	UNIT
12	Steel Support Tube 13'1"		White	210.102.400.X	Each
	Steel Support Tube 14'9"			210.102.450.X	
	Steel Support Tube 16'5"			210.102.500.X	
	Steel Support Tube 18'1"			210.102.550.X	
	Steel Support Tube 19'8"			210.102.600.X	
	Steel Support Tube 22'11"			210.102.700.X	
14	Roller Tube 78mm 13'1"		Silver	210.201.400.X	Each
	Roller Tube 78mm 14'9"			210.201.450.X	
	Roller Tube 78mm 16'5"			210.201.500.X	
	Roller Tube 78mm 18'1"			210.201.550.X	
	Roller Tube 78mm 19'8"			210.201.600.X	
	Roller Tube 78mm 22'11"			210.201.700.X	
16	Front Bar 13'1"		White	210.020.400.X	Bar
	Front Bar 14'9"			210.020.450.X	
	Front Bar 16'5"			210.020.500.X	
	Front Bar 18'1"			210.020.550.X	
	Front Bar 19'8"			210.020.600.X	
	Front Bar 22'11"			210.020.700.X	
18	Left & Right Front Bar End Cap		White	688.050.002.X 688.050.003.X	Each
20 & 22	5' Secureflex 70 Arm Triple Cable		White	270.070.150.X	Pair
	6'7" Secureflex 70 Arm Triple Cable			270.070.200.X	
	8'2" Secureflex 70 Arm Triple Cable			270.070.250.X	
	10' Secureflex 70 Arm Triple Cable			270.070.300.X	
	11'6" Secureflex 70 Arm Triple Cable			270.070.350.X	
	13'1" Secureflex 70 Arm Triple Cable			270.070.400.X	
24	Left & Right Comfort Arm Bracket		White	688.020.020.X 688.020.021.X	Each
26	Left & Right End Bracket with PVC Bearing		White	688.040.004.X 688.040.005.X	Each

28	Bevel Gear 4:1 (with stop)		White	00.002.148	Each
	Bevel Gear 7.8:1 (with stop)			000.000.055	
30	EZ Pitch Adjustment		Silver	688.020.040.9	Each
32	Pivot 78mm		Silver	615.310.232.1	Each
34	Hood End 178mm (with plug)		White	688.060.005.X	Each
60	Hood 178mm 13'1"		White	212.010.400.X	Each
	Hood 178mm 14'9"			212.010.450.X	
	Hood 178mm 16'5"			212.010.500.X	
	Hood 178mm 18'1"			212.010.550.X	
	Hood 178mm 19'8"			212.010.600.X	
	Hood 178mm 22'11"			212.010.700.X	
N/A	Crank 3'3" - 39"		Silver	000.000.037	Each
	Crank 4' - 47"			000.000.038	
	Crank 4' - 55"			000.000.039	
	Crank 5'3" - 63"			000.000.040	
	Crank 5'10" - 71"			000.000.041	
	Crank 6'7" - 78"			000.000.042	
	Crank 7'3" - 87"			000.000.043	
N/A	Wall Bracket		White	6888.101.001.X	Each



Fabric Warranty

Tempotest® solution-dyed acrylic awning and marine fabrics come with a 10-year warranty.



Tempotest Marine® and Awning Warranty

- The Tempotest Marine® and Awning Warranty is valid for 10 years from the purchase date. Warranties are valid only with the Tempotest Warranty Certificate.
- The warranty exclusively covers abnormal and excessive color degradation and loss of sun screening capability due to normal sun, salt, and weather exposure.
- The warranty exclusively covers the Tempotest solution-dyed acrylic fabric. Any additional manufacturing and installation costs requested by the installer or retailer are not covered by this warranty.
- The warranty does not cover damage due to circumstances beyond one's control (e.g., fire, flood, bird excrements, or air pollution). Also, the warranty excludes damage caused by mechanical actions or fraudulent actions. In particular, the formation of micro holes in the cover, due to any mechanical action, are excluded from warranty.
- Differences in appearance of color saturation may occur over time, resulting from atmospheric agents and pollution. This does not compromise the chemical, physical, and technical features of Tempotest fabric.
- Tempotest is a component of a finished product. The warranty must be claimed against the retailer or installer where the finished product was purchased.
- The warranty is not valid in the case of improper use or improper installation.
- The warranty does not cover the construction costs of the finished product.
- Parà's responsibility is expressly limited to this warranty. Parà reserves the right to inspect the fabric that is the object of the claim and ask for proof of purchase.
- In case of a proven defect in the fabric within the warranty period. Parà will supply a fabric equivalent to 100 percent of the value of the defective one, up to the 8th year from the purchase date. For the 9th year from purchase, Parà will supply this fabric with a 30 percent discount. For 10th year, Parà will supply this fabric with a 15 percent discount.
- Parà will not be responsible for any replacement cost of the fabric. The retailer or the installer will reserve the right to decide the compensation amount to the consumer for service and replacement of the fabric.

Teflon® Extreme by Parà

- Branded Parà Tempotest® fabrics benefit from a finishing process developed in partnership with Teflon®. Teflon® Extreme By Parà is a nanometric particle surface treatment that forms a molecular barrier around each fiber, providing double-action protection and a self-cleaning system that repels water and oil-based stains.
- During the production process, the fabric is introduced into the Teflon® Extreme finishing bath creating a strong bond with the fiber and forming an invisible barrier. The highly-repellent component contained in the barrier helps water and rain to wash away dirt, eliminating marks and preserving the fabric's beauty and performance over time.



Hi-Clean Finishing

- All Tempotest® fabrics are treated with a special type of finishing, called Hi-Clean, that creates an impenetrable barrier without compromising the fabric's breathability. The Hi-Clean finishing makes Tempotest fabrics repellent to water, grease, and oil as well as protects against rotting and the formation of mold and fungus. Hi-Clean makes the fabric self-cleaning, allowing dirt as well as fine dust and pollution to wash away with water or rain.



Fabric Warranty

SUNBRELLA® AWNING AND MARINE FABRIC
10 YEAR LIMITED WARRANTY



WARRANTY COVERAGE PERIOD

For installations on or after November 1, 2008, the warranty coverage period is ten years from the original purchase date.

Glen Raven will provide replacement fabric at no cost during years one through eight; at the then-current selling price less a 30% discount during the ninth year; and less a 15% discount during the tenth year.

WHO THIS WARRANTY PROTECTS

This warranty protects the original purchaser of Sunbrella fabric.

WHAT THIS WARRANTY PROTECTS AGAINST

This warranty protects against Sunbrella fabric becoming unserviceable due to color or strength loss from normal usage and exposure conditions, including sunlight, mildew and atmospheric chemicals.

WHAT THIS WARRANTY COVERS

This warranty covers Sunbrella fabric only.

WHAT THIS WARRANTY DOES NOT COVER

This warranty does not cover normal care and cleaning; damage from misuse or abuse; improper installation; or costs associated with replacement of the fabric, including labor and installation.

LIMITS TO THE WARRANTY

Glen Raven's liability is expressly limited to this warranty. Glen Raven reserves the right to inspect the fabric submitted for claim.

WHAT WE WILL DO

Glen Raven will supply new equivalent fabric to replace the fabric that becomes unserviceable.

WHO TO CONTACT

Contact your Glen Raven sales or customer service representative for warranty claims.

WHO CONSUMERS SHOULD CONTACT

Sunbrella fabric is normally a component of an end product such as an awning, umbrella or cushion. Consumers and end-users should contact the fabricator, dealer or retailer from whom you purchased the end product.

Fabric Warranty

Sattler North America Corp.
Fabric Warranty for Sattler products
Effective 02/01/2011



This warranty pertains to products manufactured by **SATTLER AG** of Graz, Austria (hereinafter referred to as "Sattler").

Except as specifically stated herein, there are no warranties, either expressed or implied, by operation of law or otherwise. Sattler disclaims any implied warranties of merchantability and fitness for a particular purpose. Sattler warranties extend solely to the original purchaser of Sattler's fabric.

This warranty applies to our 100% solution dyed acrylic fabric for a period of ten (10 years** from the original date of purchase and protects against excessive loss of its protective function.

**During years 1 through 8 of the warranty period, Sattler will replace or repair any defective item of the fabric or part or component of the fabric with new equivalent fabric, once the fabric has been verified as being a Sattler manufactured cloth by the sewn-in label and the defect has been reasonably determined and identified as a warranty defect. During years nine (9) and ten (10), Sattler will allow replacement of the fabric at the then current price, less 30% discount in year nine and less 15% discount in year 10.

Any claim under this warranty must be made and reported to Sattler's sales or customer service representative within 15 days of the occurrence of the defect.

Customer shall give Sattler the opportunity to verify and determine the extent of the defect and the damage caused prior to repairing any alleged damage or replacing any defective fabric. This shall include the opportunity to receive samples of the fabric for further analysis. All costs of diagnosis of a warranty defect are the responsibility of Sattler. Any costs of diagnosis of a non-warranty defect shall be borne by the customer.

Under no circumstances shall the replacement or repair of any fabrics result in an extension of the warranty period granted herein. The customer shall not attempt to repair the fabric without prior communication with Sattler. Because the fabrics require on-going maintenance, the preceding warranty is not a substitute for maintenance services or other support services.

This warranty does not cover atypical wear and tear of the fabric, and any defect under warranty attributable in whole or in part to (i) accidents, misuse, abuse, negligence or failure off the customer to follow instructions for proper use, care, cleaning and treatment of the fabrics, improper installation (ii) external factors, e.g., fire, flood, (iii) environmental factors, e.g. air pollution, bird excrements, (iv) damage caused by mechanical problems or improper processing or handling of the fabrics, or (v) normal wear and tear of the fabrics. Furthermore, this warranty does not cover any costs associated with replacement of the fabric, including freight and labor and installation.

Thank you for choosing an OakTree awning system for your sun protection needs. We at Shade By Design, pride ourselves on the quality of our unit and in turn offer a limited lifetime warranty to the original purchaser. Shade By Design warrants the awning frame as long as you own the unit. Shade By Design also warrants the working mechanism to be free from defects under normal and proper use in materials and workmanship of the awning for as long as you own the product. Shade By Design warrants the frame finish, fabric cover, and sewn seams to be free from defects under normal and proper use in material and workmanship of the awning for a period of (5) five years beginning from the original date of purchase.



Alpha warrants its motors to be free from defects under normal and proper use in material and workmanship for a period of (7) seven years. Electronic controls, switches and other accessories are warranted for a period of (5) five years beginning from the original date of purchase.

It is understood that retractable awnings are to be used primarily for sun protection and must be retracted during high winds, heavy rain or other types of inclement weather. The awning is to be retracted during overnight periods and when the homeowner is not on the premises. Any such defects must be reported within the applicable warranty period as stated above. Shade By Design reserves the right to repair or replace any defective part of the working mechanism system, provided that the frame and/or its parts have not been abused, misused or installed improperly. Should the product purchased be discontinued, OakTree Awnings reserves the right to replace the defective parts with comparable ones currently in use. If any items are replaced due to a warranty claim, the warranty is not extended on the repaired or replaced part, but applies to the original warranty period.

Warranty Exclusions: OakTree Awnings assumes no liability for damage due to lack of maintenance, improper installation or reinstallation, or use of which this product was not intended.

Shady By Design assumes no liability for damage to any structure to which the awning is installed or attached, or to property, or items located above, below or near the awning. Further, this warranty is void when the awning is sold, serviced or repaired by any unauthorized dealer or service outlet. Labor costs for the removal or reinstallation of awning parts is not covered by this warranty and is the responsibility of the owner.

Shade By Design assumes no liability for damage cause by any act of nature including but not limited to hurricanes, gales, tornadoes, snow, sleet, heavy rain, high winds, hail, flooding, weight or loads allowed to accumulate on the awning, fire, similar hazards, vandalism, neglect, improper use or care. This limited warranty does not cover normal wear and tear, dents, scratches or weather soiling/ stains from environmental pollution or other sources.

Shade By Design shall not be liable for any incidental or consequential damages, loss or injury. This warranty gives you specific legal rights, but you may also have additional or other rights that may vary from state to state.

Serial Number: _____ Date Manufactured: ____/____/_____