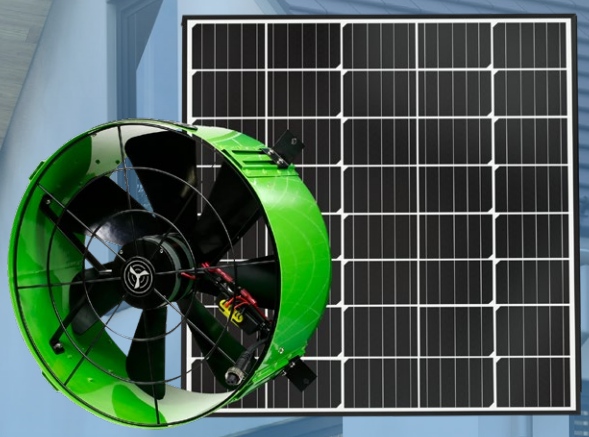
QuietCool®
ADVANCED SOLAR ATTIC FANS

OWNER'S GUIDE

SOLAR ATTIC FANS



AFG SLR Models

AFR SLR Models

! DO NOT THROW AWAY!

SERIAL NUMBER FOR FAN IS LOCATED ON THE BACK COVER OF THE OWNER'S GUIDE.

LEAVE WITH HOMEOWNER

CONTENTS

WARNINGS

CAUTION: This unit has an unguarded impeller. Do not use in locations readily accessible to people or animals.

CAUTION: Do not operate any fan with a damaged cord or plug. Discard fan or return to an authorized service facility for examination and/or repair.

CAUTION: Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.

CAUTION: Automatically started device. To reduce the risk of injury, disconnect from power supply before servicing. Do not use fan with any solid state speed control device. For residential use only.

WARNING: To reduce the risk of fire, electric shock or injury, do not use replacement parts that have not been recommended by the manufacturer (e.g. parts made at home using a 3D printer).

QC MANUFACTURING, INC.
26040 YNEZ ROAD
TEMECULA, CA 92591

PHONE 1-888-QUIETCOOL
WEBSITE WWW.QUIETCOOLSYSTEMS.COM

15 YEAR WARRANTY

1. SYSTEM OVERVIEW

1.1 INTRODUCTION

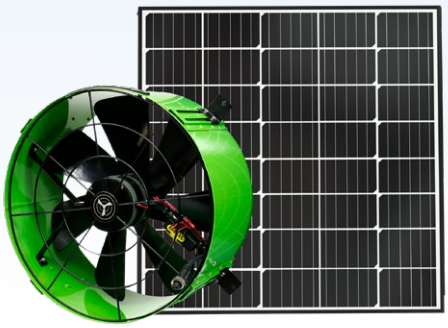
CONGRATULATIONS

on the purchase of your new QuietCool Solar Attic Fan!

Solar attic fans work by using sunlight to power the fans motor to help prevent any heat or moisture build up in your attic. Your attic can reach temperatures of up to 150°F which can destroy the integrity of your home as well as completely destroy your roof because of the humidity and moisture build up.

Because of this, solar attic fans can prolong the life of your roof structure and air conditioning while even helping you to save up to 30% off A/C costs.

The best part of a QuietCool Solar Attic Fan is that an AC/DC adapter is included with the fan. This allows the fan to run during the day from the sunlight, and at nighttime using traditional electricity. This gives you the best of both worlds: free ventilation during the day and nighttime supercooling using the cooler outdoor air.



1.2 FEATURES

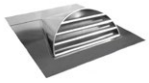
+ High Efficiency Design
+ Designed and Engineered in California
+ 15 Year Warranty
+ Monocrystalline Solar Panels
+ Adjustable Thermostat (50°F to 120°F)
+ Included AC/DC Adapter
+ Adjustable high-precision mounting tabs

1.3 SYSTEM VENTING REQUIREMENTS

VERY IMPORTANT: 1 SQUARE FOOT OF NET FREE VENT AREA PER 750 CFM
RECOMMENDED: 2 TO 4 SQUARE FEET OF INLET VENTS PER FAN

Venting plays a very significant role in the performance of QuietCool fans. QuietCool recommends a minimum of 1 SQ. FT. of venting for every 750 CFM in the QuietCool system. If an attic has at least 1:750 attic venting, the QuietCool system will operate efficiently and effectively. If an attic has less than 1:750 attic venting, the system may not operate as efficiently, or effectively, as it could with 1:750 attic venting. But don't worry, the system will still operate if there is not enough venting.

Insufficient venting is a very simple problem to fix. Roofing contractors can add extra venting to most homes simply and easily. The most common types of venting is shown in the chart below.

Vent Type	Model Type	Average Size	Venting Sq. Ft.
Gable vent		12″ x 19.5″	1.20
Dormer Vent		14″ x 8″	0.70
Ridge Vent		4′ - 12′	0.125 per ft
Soffit Vent		16″ x 4″ 16″ x 6″ 16″ x 8″	0.19 0.29 0.39
O'Hagin Vent		Low/Medium Profile Tapered Low Profile Low Profile Flat High Profile	0.5 0.6 0.68 0.68

*Note: This table is only a guideline and is not a guarantee of venting capacity.

INCLUDED IN THE BOX

+ QuietCool Solar Attic Fan
+ QuietCool Solar Panel
+ AC/DC Power Adapter
+ Hardware Kit
+ Cut-out Template

AFR HARDWARE KIT CONTENTS

A. (9) Roofing Fasteners
8 for fastening AFR to the roof, 1 extra
B. (1) All-Purpose Screw
1 for fastening thermostat

AFG HARDWARE KIT CONTENTS

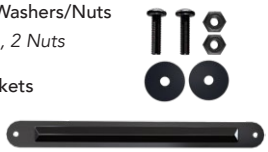
A. (9) Roofing Fasteners
8 for fastening solar panel to the roof, 1 extra
B. (5) All-Purpose Screws
4 for fastening AFG to stud, 1 for fastening thermostat

TOOLS/MATERIALS YOU WILL NEED

+ Cordless Drill with Nut Driver
+ Roofing Fasteners
+ Reciprocating Saw
+ Measuring Tape
+ Weatherproof Roofing Grade Sealant
+ Roofing Knife
+ Ladder Marker or Carpenter Pencil
+ Secondary flashing material for tile roofs
+ Optional curb flashing for flat roofs

SOLAR KIT CONTENTS

A. (2) Bracket Screws/Washers/Nuts
2 Screws, 2 Washers, 2 Nuts
B. (2) Adjustment Brackets
For Solar Panel



2. INSTALLATION

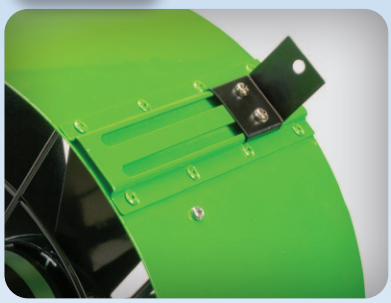
2.1 INSTALLING AFG SLR MODEL

Installation Video:
Watch the video by scanning the QR code or visit
www.QuietCoolSystems.com/support

NOTE: The AFG SLR model fans are designed to mount behind existing vents. If no vent exists, one must be installed. Vent should be installed in the upper center section of the gable.

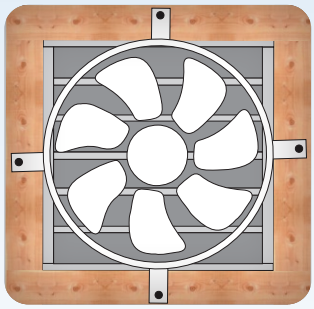
NOTE: The mounting brackets for the AFG SLR model fans are on sliding rails. Simply loosen the 8 nuts on the 4 mounting brackets to slide the bracket into the proper position for your installation. (as shown in Figure 2.1A) The fan should be flush to the gable vent when installed.

Figure 2.1A



Installing the QuietCool AFG is very easy. To install the AFG, simply mount the gable fan to your gable vents as shown in the following steps:

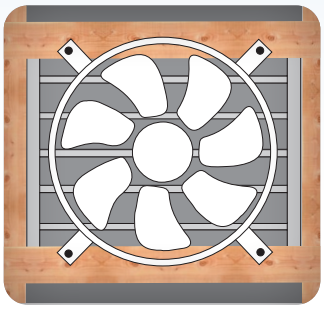
Figure 2.1C



Flush Mount: The AFG SLR can be mounted flush to a rectangular type louver by fastening through the mounting brackets to the frame of the louver (as shown in Figure 2.1C)

Fasten the fan to the vent frame studs. Once fastened, tighten the 8 mounting bracket nuts to secure the fan flush to the gable vent.

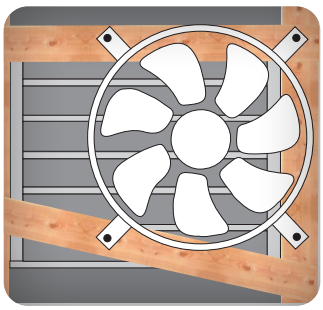
Figure 2.1D



Wide Mount: The AFG SLR can be mounted on a wide louver, but additional mounting steps must be taken in order for the fan to work properly. As shown in Figure 2.1D, two additional boards must be fastened to the boards framing the gable vent so the AFG SLR can be mounted securely.

Fasten the fan to the vent frame studs. Once fastened, tighten the 8 mounting bracket nuts to secure the fan flush to the gable vent.

Figure 2.1E



Odd Mount: The AFG SLR can also be mounted off center for an odd shaped louver (as shown in Figure 2.1E).

Any area of the louver that is not covered by the AFG SLR must be sealed off in order to prevent air leakage, which may hinder performance.

While this is not the most ideal way to mount the gable fan, it is possible. However, since the fan is not completely covering the vent, maximum airflow will not be achieved.

Fasten the fan to the vent frame studs. Once fastened, tighten the 8 mounting bracket nuts to secure the fan flush to the gable vent.

READ BEFORE ATTEMPTING TO INSTALL AN AFR FAN OR AFG SOLAR PANEL

GETTING STARTED

NOTE: Always follow local building codes because the fan may require specific fasteners or anchoring systems not discussed in this installation guide. If installing this product in designated high velocity wind zone areas in Florida or Texas, review applicable building code requirements for additional installation instructions. Installation should be done by a licensed roofing contractor.

IMPORTANT: Do not cut through any rafters or structural members while cutting the fan hole. Only cut out the roof decking.

GENERAL SAFETY INFORMATION

1. **READ INSTRUCTIONS** - All safety and operation instructions must be read.
2. **RETAIN INSTRUCTIONS** - The safety and operating instructions should be kept for future reference.
3. **HEED WARNINGS** - All warnings should be followed.
4. **FOLLOW INSTRUCTIONS** - All installation and operating instructions should be followed.
5. **WATER** - The QuietCool system should not be used near water.
6. **HEAT** - The QuietCool system should be situated away from heat sources.
7. **DAMAGE REQUIRING SERVICE** - Only qualified service personnel should service the QuietCool system. The user should not attempt to service the product.
8. **SAFETY PRECAUTIONS** -
   - + Do not install the fan in wet or windy conditions
   - + Tie-off both yourself and your equipment when working on steep pitched roofs to avoid falls
   - + Wear safety glasses and protective gloves when using power tools
   - + Always wear slip-resistant shoes when working on the roof
   - + Do not cut through any rafters or structural members of the roof during installation

CHOOSING THE RIGHT LOCATION

AFR ONLY

Choose a location to install your QuietCool roof mounted fan that allows for balanced airflow throughout the attic space. We always recommend the fan to be installed centrally located on the roof **three feet below the ridge line**. This will allow you to access the fan very easily. Your roof mount fan should not be installed any closer than **within 5 feet to an existing passive vent, ridge vent, or additional fan unit**.

AFR & AFG SOLAR PANEL

Choosing a location to install your QuietCool solar attic fan or solar panel is very important based on the sun's path during the day. The optimal adjustment is to have the panel 90 degrees to the midday path of the sun. Be sure to consider potential obstructions such as trees and other homes which may shade the solar panel during certain times of the day. Most of the time, in the United States, you will want to have the panel facing south.

If a southern or western exposure is not possible, the fan can be installed on any other exposure and the solar panel can be adjusted to capture maximum sunlight

There are many smartphone apps that can help in finding the best location for your solar panel based on the sun's location throughout the day.

ROOF PITCH REQUIREMENTS (MAX ROOF PITCH 8:12)

AFRs installed with the primary flashing: **roofs with 3:12 to 8:12 roof pitch**
AFRs installed with the optional curb flashing: **roofs with less than 3:12 roof pitch**

OPTIONAL ACCESSORIES

+ Curb Flashing for flat roofs (part number SLR-CRB-2424)

IMPORTANT: Installing the AFR without the use of a QuietCool flashing, using an improper flashing based on the guidelines above, or installing the AFR on roofs with a pitch greater than 8:12 will void the warranty of the unit and may compromise the integrity of your roof. Only install the AFR using QuietCool flashings appropriate to the roof in which you are installing the AFR on.

2.2 INSTALLING AFG SLR SOLAR PANEL

1. Find the best mounting location (see Choosing the Right Location on page 6). The wiring from the solar panel is 30 feet long and must connect to the fan.

2. Remove the two screws opposite each other on the side of the panel with the LIFT UP label to allow the panel to open. (See Figure 2.2A)

   A. Shingle Roof: Using the included fasteners, fasten the panel to the roof, two screws recommended into each adjustment slot. To prevent leaking, make sure to apply a generous amount of weatherproof roofing grade sealant under the panel and on the screwheads. (See Figure 2.2B)

   B. Tile Roof: Find the contact points between the roof and the backside of the solar panel. Apply roofing adhesive to these contact points and firmly secure the panel to the surface. (See Figure 2.2C)

Adjusting Panel Tilt

This panel has multiple solar panel tilt adjustments. The fan is shipped with the solar panel in the flat position. To use either tilt setting, please follow the instructions below to install the adjustment brackets.

If you will be mounting the panel in the flat position, re-install the screws you removed from the panel and move to step 5.

3. Using the two screws with washers and nuts that were included in the accessory bag, attach the adjustment brackets to the hole on the solar panel base on both sides.

4. Using the two screws you removed, install the other end of the adjustment bracket to the associated hole on the solar panel for the level of tilt you selected.

5. Now it's time to run the wire from the solar panel into the attic through the gable vent. Be sure to include a drip curve in the wire to ensure no water can run down the cord and enter the attic through the gable vent. We recommend using cable staples or fasteners to run the wire neatly along the side of the home. (see Figure 2.2D)

Figure 2.2A

Figure 2.2B

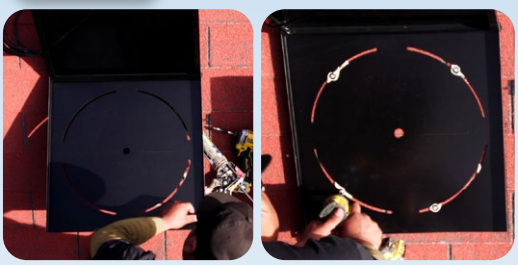


Figure 2.2C

Tilt Settings

Figure 2.2D

CAUTION

THE AFR SLR COMES PRE-WIRED WITH THE SOLAR PANEL ATTACHED. THE FAN WILL TURN ON AUTOMATICALLY WHENEVER THE SUN SHINES ON THE SOLAR PANEL.

DO NOT REMOVE PAPER COVER THAT IS LOCATED ON THE SOLAR PANEL UNTIL THE INSTALLATION IS DONE. REMOVAL OF THE COVER CAN CAUSE UNINTENDED INJURIES IF THE FAN TURNS ON DURING INSTALLATION.

2.3 INSTALLING AFR (Shingle Roofs from 3:12 to 8:12)

Installation Video:
Watch the video by scanning the QR code or visit
www.QuietCoolSystems.com/install

NOTE: This installation utilizes the included Primary Flashing of the AFR. For installing the AFR on a tile or cement roof, please skip to page 10.

1. Determine in which area you would like to install your QuietCool AFR (see Choosing the Right Location on page 6).

2. From inside the attic, find the center point between the two roof rafters and mark it as the center of the fan hole. Partially insert a screw into the center point mark. (see Figure 2.3A)

3. Go to the roof. Using the screw as a reference point and the provided template, trace out the 14" diameter circle. (see Figure 2.3B)

4. Use a reciprocating saw to cut out the traced hole pattern from the roof decking. Remove the cut out decking material from around the hole as needed. (see Figure 2.3C)

5. Using a reciprocating saw or crowbar between the shingles and roof decking, starting at the 3 o'clock position of the vent hole, begin separating the shingles in a sweeping motion loosening the shingles. Continue cutting counter-clockwise around the vent hole until reaching the 9 o'clock position. (see Figure 2.3D)

6. Using a roofing knife, cut a 4 inch horizontal slit in the shingles at the 9 o'clock and 3 o'clock positions of the hole, allowing the fan's flashing to slide underneath the shingles.

7. Apply weatherproof sealant to the seam between the AFR fan housing and primary flashing. This seam must be sealed to create a weatherproof barrier between the fan and the flashing. (see Figure 2.3E)

Figure 2.3A

Figure 2.3B

Figure 2.3C

Figure 2.3D

Figure 2.3E

Figure 2.3F

Figure 2.3G

Figure 2.3H

Figure 2.3I

Figure 2.3J

Figure 2.3K

NOTE: This seam exists to allow the use of interchangeable flashings. If this seam is not sealed, water may leak in between the fan housing and the flashing. Be sure to use a generous amount of weatherproof sealant to create a watertight seal.

8. Lifting the fan unit up at an angle, apply weatherproof sealant to the bottom side of the fan unit. This will help keep the fan in place and create a watertight seal. (See Figure 2.3F)

NOTE: Be sure to use a generous amount of weatherproof sealant to create a watertight seal.

9. Slide the fan unit underneath the shingles until the fan reaches the top of the hole and apply more sealant. (See Figure 2.3G & H)

10. Using a minimum of 8 roofing fasteners, fasten the fan to the roof through the primary flashing, securing the fan to the roof. One (1) fastener is required at each corner. One (1) fastener is required at the midpoint of each side. The fasteners must be long enough to penetrate the primary flashing and completely through the roof decking. To prevent leaking, be sure to apply weatherproof sealant on the fasteners. (see Figure 2.3I & J)

11. Secure the shingles by re-nailing them into the roof and applying weatherproof sealant. (See Figure 2.3K)

12. If your fan has a solar panel that can be adjusted, follow the instructions on page 12 to adjust the tilt and rotation of the panel.

2.4 INSTALLING AFR
(Tile or Cement Roofs from 3:12 to 8:12)

Installation Video:
Watch the video by scanning the QR code or visit
www.QuietCoolSystems.com/install

NOTE: When applying weatherproof sealant, be sure to use a generous amount to create a watertight seal.

1. Determine in which area you would like to install your QuietCool AFR (see Choosing the Right Location on page 6).

2. From inside the attic, find the center point between the two roof rafters and mark it as the center of the fan hole. Partially insert a screw into the center point mark.

3. Go to the roof and find the area in which you marked your fan hole with the screw. Move the tiles out of the way to expose a large area around where you will cut the fan hole. (see Figure 2.4A)

4. Using the screw as a reference point and the provided template, trace out the 14" diameter circle. (see Figure 2.4B)

5. Use a saw to cut out the traced hole pattern from the roof decking. Remove the cut out decking material from around the hole as needed. (see Figure 2.4C)

6. Apply weatherproof barrier to the roof. (see Figure 2.4D)

7. Lifting the fan unit up at an angle, apply weatherproof sealant to the bottom side of the fan unit. This will help keep the fan in place and create a watertight seal. (see Figure 2.4E) Position the fan so that it is centered with the vent hole.

8. Using a minimum of 8 roofing fasteners, fasten the fan to the roof through the primary flashing, securing the fan to the roof. One (1) fastener is required at each corner. One (1) fastener is required at the midpoint of each side. The fasteners must be long enough to penetrate the primary flashing and completely through the roof decking. To prevent leaking, be sure to apply weatherproof sealant on the fasteners. (see Figure 2.4F)

Figure 2.4A

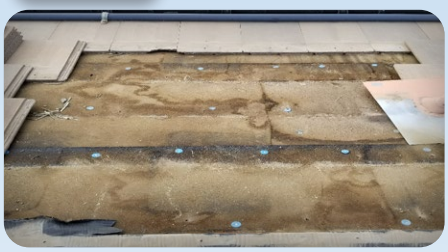


Figure 2.4B

Figure 2.4C

Figure 2.4D

Figure 2.4E

Figure 2.4F

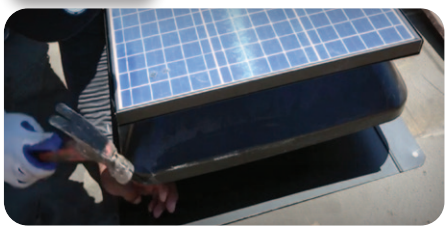


Figure 2.4G

Figure 2.4H

Figure 2.4I

Figure 2.4J

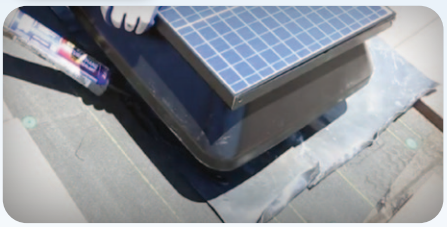


Figure 2.4K

Figure 2.4L

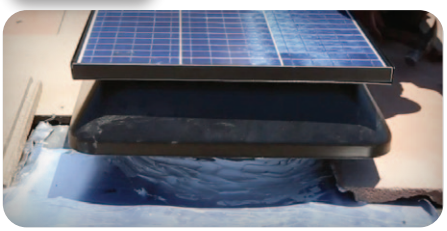


Figure 2.4M

9. Once complete, apply more weatherproof barrier around the fan unit on top and bottom. Be sure to apply a generous amount of weather proof sealant underneath the weatherproof barrier and install with roofing nails. (see Figure 2.4G)

10. Apply weatherproof sealant to the seam between the AFR fan housing and primary flashing. This seam must be sealed to create a weatherproof barrier between the fan and the flashing. (see Figure 2.4H)

NOTE: This seam exists to allow the use of interchangeable flashings. If this seam is not sealed, water may leak in between the fan housing and the flashing. Be sure to use a generous amount of weatherproof sealant to create a watertight seal.

11. Using sheets of aluminum, construct a secondary flashing out of two pieces of material by cutting out a semi-circle shape on either side while flaring up the edges that will stick up above the tile, creating a "bib" that will go around the fan. Once constructed, install the flashing material on top of the primary flashing and attach using weatherproof sealant. (See Figure 2.4I, J, & K)

12. Using an angle grinder, cut the removed tiles to fit them to the shape of the fan and secondary flashing.

13. Re-install the tile around the fan unit. (see Figure 2.4L)

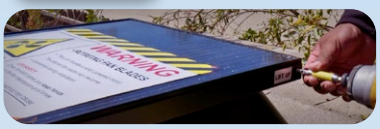
14. Apply weatherproof sealant on the bottom side of the secondary flashing to secure the flashing to the roof tile.

15. If your fan has a solar panel that can be adjusted, follow the instructions on page 12 to adjust the tilt and rotation of the panel.

2.5 ADJUSTING THE SOLAR PANEL

The fan's solar panel should be adjusted to maximize exposure to the sun's path during the day. The optimal adjustment is to have the panel 90 degrees to the midday path of the sun. You can readjust the panel during winter or summer seasons if desired.

Figure 2.5A



Adjusting Panel Tilt

This fan has two solar panel adjustments. Set the angle properly to capture the most direct sunlight.

Figure 2.5B

1. Remove the two screws opposite each other on the side of the panel with the LIFT UP label to allow the panel to open. (See Figure 2.5A)

2. Using the two screws with washers and nuts that were included in the accessory bag, attach the adjustment brackets to the hole on the solar panel base on both sides.

Figure 2.5C

3. Using the two screws you removed, install the other end of the adjustment bracket to the associated hole on the solar panel for the level of tilt you selected.

Adjusting Panel Rotation

The fan has a horizontal rotational adjustment that moves 90°. Simply loosen the 4 wing nuts to loosen the solar panel and rotate for adjustment. If you need more adjustment than 90°, the assembly can be removed by removing the 4 wing nuts and repositioning the panel. This gives a full 360° rotation ability.

Figure 2.5D

Figure 2.5E

3. WIRING

3.1 CONNECTING THE AC/DC ADAPTER

Your QuietCool Solar Attic Fan includes an AC/DC Adapter. This adapter is used to run the solar attic fan at nighttime or when there is no sunlight during the day by utilizing your home's electricity.

This adapter is recommended, however it is not required. If you do not want to use the AC/DC Adapter, simply leave the fan unplugged. The fan will still run anytime there is sunlight.

If you do not have an outlet in your attic, you will need to install one.

NOTE: Wiring should be done by a licensed electrician following local building and electrical codes and/or NEC guidelines.

3.2 INSTALLING THERMOSTAT

Your fan includes an adjustable thermostat. This allows you to set what temperature you'd like your fan to come on at.

Using an All-Purpose screw, mount the thermostat to an attic joist near the fan.

The thermostat can be adjusted to any temperature between 50° and 120°. Whatever temperature you set the thermostat to will cause your attic fan to turn on when your attic temperature is at or above the set temperature.

To change the setting of the thermostat, simply twist the dial to the desired turn on temperature.

Set the switch to the ON (I) position to activate thermostat control.
Set the swith to the OFF (O) position to bypass the thermostat control.

4. SYSTEM OPERATING INSTRUCTIONS

4.1 HOW TO OPERATE

Attic fans are designed to cool and ventilate your attic all year long. Depending on the month of the year, you will want to change the temperature setting of your thermostat.

SUMMER MONTHS
In the summer, the attic in your home can reach temperatures in excess of 150°F. An attic fan is designed to cool and ventilate your attic space in the hot months of the year to help protect your HVAC equipment, protect the integrity of your house structure, and to prevent the heat in the attic from heating up your indoor living space.

We recommend setting your thermostat to 80°F for the most effective cooling during the warmer months of the year.

With an attic fan running during the summer, we have seen attic temperature maintain as low as a 5°F difference between the outside temperature and the attic temperature.

WINTER MONTHS
In the winter, ice and condensation can build-up on the roof and in the attic due to the drastic temperature difference between the outside air and the air inside the home. This can cause major damage to your HVAC equipment as well as the structure of your home. This is called ice damming and it is a major issue in cold climates.

With an attic fan, you can ventilate the attic space to help keep the moisture level low and keep the attic temperature close to the outside temperature. And since heat rises, you won't be wasting any of the heat within your home.

We recommend setting your thermostat to 60°F for the most effective ventilation and protection against ice damming.

QC Manufacturing Inc.

MAKERS OF THE QUIETCOOL ADVANCED WHOLE HOUSE FAN

SOLAR ATTIC FANS LIMITED WARRANTY

This warranty is extended to the original purchaser of this model or, if this unit is purchased and requires installation by a building contractor, to the original owner of the home. No subsequent purchaser of the unit or of a home in which it is installed is entitled to any of the benefits of this warranty. The QuietCool Product that you have purchased has a limited warranty from the date of purchase against defects in workmanship and materials. Please see attached chart below for warranty details. If you believe you received a defective product, call our customer service at 1-888-QUIETCOOL. Have proof of purchase available to validate the warranty. If it's necessary to send the defective part to QC Manufacturing, Inc., freight is paid by the customer. If found to be defective following examinations, any defective part will be replaced free of charge and returned freight prepaid. This warranty does not cover any labor costs, including those required for diagnosis, field repair or replacement or removal of any allegedly defective part. The company reserves the right to require and receive proof of purchase of the date of purchase before undertaking its obligations under this warranty. The right to require and receive proof of purchase of date of purchase extends to all licensed dealers of QC Manufacturing Inc. products.

Limitations

QC Manufacturing, Inc. shall not be liable for, and this warranty does not apply to, any failure, defect or damage resulting from or connected with misuse, abuse, neglect or improper handling or staging , or installation not in strict adherence to QC Manufacturing's written instructions; unauthorized alteration to factory specs, lack of maintenance, lack of proper ventilation transportation damage, impact of foreign objects, fire, flood, earthquake, lightning, hurricane, hail, tornado or other violent storms, force majeure or other act of (g)God; or defects in failure of or damage caused by materials used as roofing base over which the product is installed or by movement, distortion, cracking or settling of walls or the foundation of the building. QC Manufacturing, Inc. reserves the right to discontinue or modify any of its products including, without limitation, color, and shall not be liable as a result of such discontinuation or modification, nor shall QC Manufacturing, Inc. be liable in the event replacement material may vary in color in comparison to the original product as a result of normal weathering.

This warranty does not cover damage caused by standing water. Applications exposed to salt spray or within 2 miles of the seacoast, must be maintained by washing with fresh water at least twice a year. Not doing so could cause warranty to be voided. This warranty is restricted to failures resulting from normal weathering and does not include coating failures caused by scratches, scrapes or any other unnatural damage including; improperly formed, fabricated or embossed material. If QC Manufacturing, Inc. replaces any product under this warranty, it may substitute products designated by QC Manufacturing, Inc. to be of comparable quality or price range in the event the product initially installed has been discontinued or modified.

Even if your Fan was not properly installed according to QC's published application instructions, this limited warranty remains in effect if your Fan fails to perform as a result of a manufacturing defect.

However, QC will NOT compensate you for:

1. Damage resulting from any of the following:
    - If any panels or other parts are installed in a manner that does not permit drainage of water from all surfaces.
    - Corrosion caused by heavy fallout or exposure to corrosive chemicals, ash or fumes from any chemical plant, foundry, plating works, kiln, fertilizer manufacturing, paper plant, aviation fuel or the like or corrosion caused by contact of the panels and trim with dissimilar materials such as copper, lead or graphite or water runoff from these materials onto the panels and trim.
    - Deterioration caused by any corrosive substance or any condensate of any harmful substance contained, generated or released inside the building.
    - Damage caused by spray foam insulation.
2. Damage from anything other than an inherent manufacturing defect in your Fan, such as:
    - Improper installation of your Fan, faulty application, or application not in strict accordance with QC's published application instructions.
    - Settlement, movement, or defects in the building, walls, foundation, roof deck, or materials adjacent to or over which the Fan was installed.
3. Damage to your Fan or leaking into your building resulting from factor beyond QC's control, including, but not limited to:
    - Acts of nature, such as, but not limited to, hurricanes, earthquakes, extraordinary winds, lightning, hail, fire, radiation
    - Improper storage or handling of your Fan.
4. Damage resulting from the application of overlying or adjacent roofing materials.
5. Damage resulting from mold growth or condensation.
6. Chipping, fading, or peeling paint on your Fan, unless covered by paint coating limitations listed below.
7. Labor costs for removing or replacing your Fan except as specifically provided for above or for any other roofing or building materials.
8. Solar Panel Degradation

Paint Coating Warranty Coverage

1. Film Integrity
    - Warranty covers paint coating not breaking down due to environmental factors, including flaking, chipping, or peeling, in each case under ordinary visual observation.
2. Chalk Performance
    - Warranty covers paint coating not chalking or oxidizing in excess of a number 5 rating, when measured in accordance with the standard procedures specified in ASTM D4214.
3. Color Performance
    - Warranty cover freedom from fade or change in AE units calculated in accordance with ASTM D2244 paragraph 6.2.2 CIEL*a*b*, 100 Observer, specular included. Color change is measured on an exposed painted surface that has been cleaned of surface soils and chalk and then compared to corresponding values measured on the original or unexposed coated surface. Color change is warranted at AE<5.
4. Edge Creep:
    - Warranty covers edge creep that exceeds 0.5"

QC Manufacturing Inc.

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Limited Warranty Protection
Solar Attic Fan - Controls

QC Manufacturing, Inc. extends this warranty coverage to the original purchaser of the following QuietCool products (see attached for applicable products) for a period of time (varies by product) provided that the product has been installed in strict accordance with QC Manufacturing, Inc.'s written installation instructions. Under this warranty, QC Manufacturing, Inc., at no charge, will repair or replace any product found to be defective during the warranty period as long as proof of purchase is submitted to QC Manufacturing, Inc. (QC Manufacturing, Inc.'s period begins when the product installation is completed). QC Manufacturing, Inc.'s maximum liability under this limited warranty will be equal to the reasonable cost to replace the defective product.

Motor Replacements

The electrical motor is to be used solely as a direct replacement for a motor of the same model in QC Manufacturing, Inc., QuietCool products. Using the motor in any other product could result in electrical shock and/or fire, which may cause property damage, serious injury or even death. Any motor replacement should be installed by a qualified licensed electrician in accordance with local, state and national electrical codes and standards. Make sure that power to the unit has been completely turned OFF at the breaker before approaching or inspecting or installing the replacement motor. If found that the motor failure was by improper installation QC will not be liable for any cost associated with the motor replacement. For example, cost of motor and shipping costs to and from the customer. Repairs and replacement parts supplied under this warranty are warranted only for the period listed in the below chart from the date of original retail purchase of the unit.

Other Conditions

This warranty is the entire agreement between you and QC Manufacturing, Inc., and there are no other oral or written warranties, liabilities or obligations of QC Manufacturing except apart from those set forth herein. Pertinent state law shall control for what period of time subsequent to sale a consumer/homeowner may seek a remedy pursuant to the implied warranty of merchantability or fitness for a particular purpose. In no event shall QC Manufacturing, Inc. be liable for consequential or incidental damages of any kind, including any damage to the building, its contents or any persons therein, resulting from the breach of any warranty set forth herein, unless exclusion of these types of damages are specifically prohibited by state law. No field representative of QC Manufacturing, Inc. or any distributor or dealer is authorized to make any change or modifications to this warranty.

Products	Model Numbers	Warranty
Solar Gable Fans	AFG SLR-40, AFG SLR-65	Fifteen (15) Year coverage applies to the QuietCool motor fan assembly and Solar Panel. Motor assembly includes Motor, Fan Blade, Fan Housing and cover. Five (5) Year coverage applies to paint coating of fan housing and cover of roof mount models.
Solar Roof Mount Fans	AFR SLR-25, AFR SLR-40, AFR SLR-65	
Accessories	**Model Numbers**	**Warranty**
Controls	SP-ACDCPWRADPTR-205V15A, SP-ACDCPWRADPTR-24V25A, SP-ADT-F	One (1) Year coverage applies to the models indicated.
Flashings	SLR-CRB-2424	Fifteen (15) Year coverage applies to the models indicated. Five (5) Year coverage applies to paint coating of the models indicated.

How to Start the Warranty Process

To obtain service under this warranty, first contact your dealer where you purchased the equipment. If you are unable to find or reach your dealer, contact Customer Service at QC Manufacturing, Inc. by phone, email or visiting our website at https://quietcoolsystems.com/support/return-merchandise-authorization/ to start the RMA process.

An RMA (Return Merchandise Authorization) form is required for returns to the factory to ensure your return can be processed efficiently and quickly. There is no informal dispute settling mechanism available in the event of a controversy involving this warranty .

QC Manufacturing, Inc. Customer Service

26040 Ynez Rd.
Temecula, CA 92591
www.QuietCoolSystems.com
951-325-6340

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FAN SERIAL NUMBER INFORMATION

RETAIN FOR YOUR RECORDS.

SERIAL NUMBER IS REQUIRED FOR WARRANTY PURPOSES.