

SunRise Solar-Powered Attic Fan

Flat Base Unit

Installation Guide



Model Shown: # FB1050

Available Models:
FB850, FB1050, FB1250
(including FB850FT, FB1050FT, FB1250FT)

- For normal sloped, shingled roofs.
- Also works well with flat concrete tile or slate roofs.

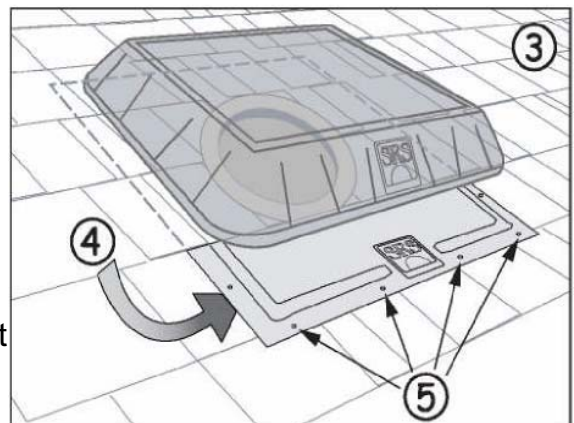
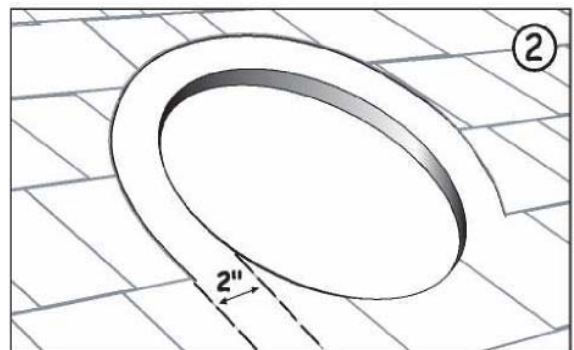
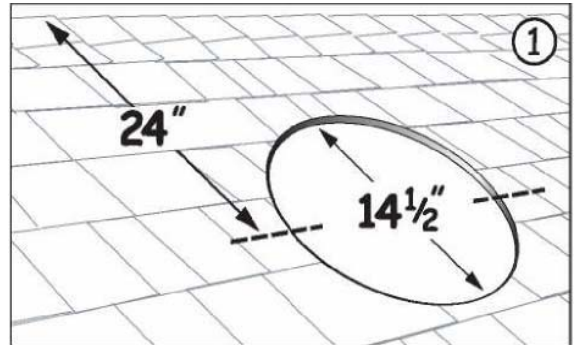
Made in the USA

5yr warranty on motor
10yrs all other parts

FLAT BASE UNIT INSTALLATION

NOTE: For best operation, install solar fan where it will receive direct sunlight. South or West facing roof slopes will work best.

- 1.) Cut a 14 1/2" diameter hole between rafters approximately 24"-30" down from roof peak to center of hole.
- 2.) Trim away top rows of shingles an additional 2" to allow base flashing to slip under top rows of shingles and over bottom rows.
- 3.) Slip the flat base under the top rows of shingles and center unit over opening with the SRS Logo on the bottom.
- 4.) Gently lift the unit and apply sealant under lower edge and sides of base flashing.
- 5.) Pre-drill (4) mounting holes along the bottom edge of the base flashing, and (1) hole on each side approximately 2" up from the bottom edge.
- 6.) Use exterior-grade screws to secure unit to roof deck. Apply sealant to screw heads.



DO NOT OVER-TIGHTEN SCREWS

Installation Questions?
Call 1-866-599-3566

SunRise Solar-Powered Attic Fans

Curb Base Model: Must be mounted on a field-built curb

(3) Models to choose from:

CB850 – 11 watts

CB1050 – 15 watts

CB1250 – 20 watts



Model Shown: # CB1250

SunRise 20 watt solar fan with curb base

- Good for attics (1600-1800) square feet
- This style base works well on flat or low-slope roofs
- Also used on barrel-tile roofs when mounted on a field-built curb

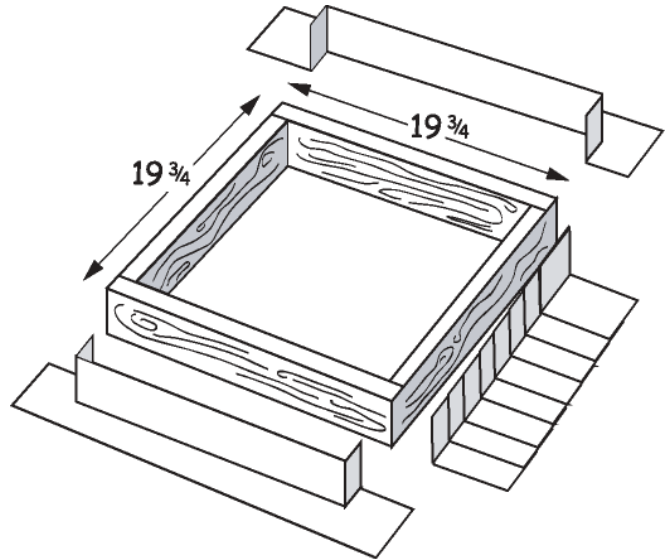
Reducing energy consumption worldwide through solar-powered ventilation

Installation Instructions

Models #CB850, CB1050, CB1250

NOTE: For best operation, install solar fan where it will receive direct sunlight. A South or West facing slope will work best.

- 1) Determine roof rafter spacing.
 - a.) **16" Rafter Spacing:** Cut a 14 1/2" square hole between rafters approximately 24" down from roof peak to center of hole.
 - b.) **24" Rafter Spacing:** Cut a 16 3/4" square hole between rafters approximately 24" down from roof peak to center of hole.
- 2) Build a 19 3/4" x 19 3/4" curb with treated lumber and secure to roof deck.
- 3) The picture to the right shows how the curb might be flashed if on a pitched roof. On a flat or low-slope roof the curb can be flashed with EPDM rubber, modified bitumen, hot tar/felt, or other appropriate material.
- 4) Run a generous bead of sealant along top edge of curb.
- 5) Pre-drill (8) mounting holes, (2) per side, on the base skirt of the SunRise.
- 6) Place the SunRise over curb with SRS Logo on the bottom, making sure it is seated into sealant. Using exterior-grade screws, secure unit to curb.



**DO NOT OVER-TIGHTEN SCREWS, AS THIS MAY CAUSE
UNIT BASE TO CRACK OVER TIME.**

SunRise Solar-Powered Attic Fan

Remote Panel Unit

Installation Guide



Model Shown: # FB1050RP

Available Models:
FB850RP, FB1050RP, FB1250RP
(including FB850RPFT, FB1050RPFT, FB1250RPFT)

- Fully-detached solar panel for maximum sun exposure.
- For normal sloped, shingled roofs.
- Also works well with flat concrete tile or slate roofs.

Made in the USA

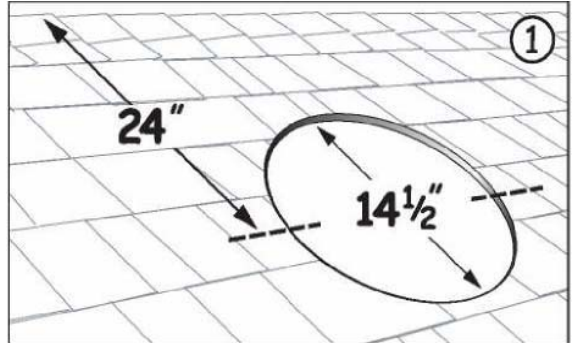
5yr warranty on motor
10yrs all other parts



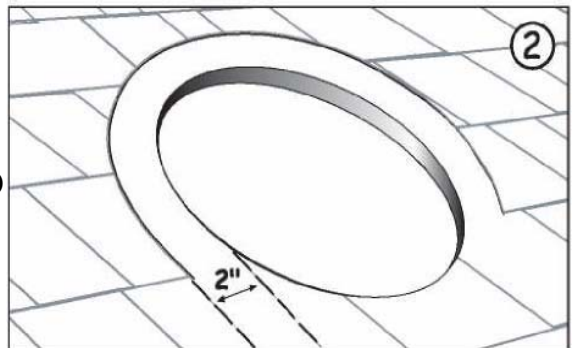
INSTALLING THE FAN HOUSING

IMPORTANT NOTE: The Remote Panel solar fan comes with 15' of wire, so you must install the fan housing within 15' of the solar panel – longer lengths are available upon request.

1.) Cut a 14 1/2" diameter hole between rafters approximately 24"-30" down from roof peak to center of hole.

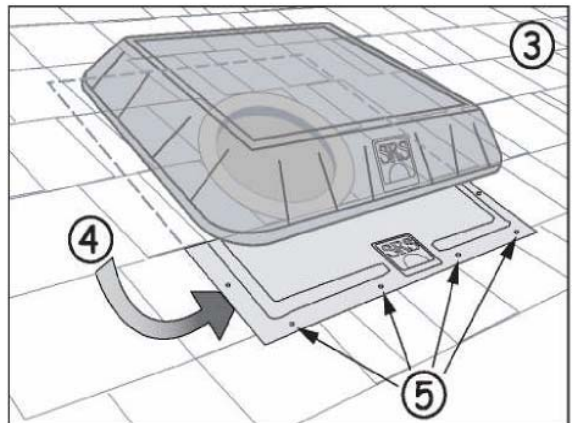


2.) Trim away top rows of shingles an additional 2" to allow base flashing to slip under top rows of shingles and over bottom rows.



3.) INSTALL REMOTE SOLAR PANEL (SEE NEXT PAGE) BEFORE GOING TO STEP #4.

4.) Slip the flat base under the top rows of shingles and center unit over opening with the SRS Logo on the bottom.



5.) Gently lift the unit and apply sealant under lower edge and sides of base flashing.

6.) Pre-drill (4) mounting holes along the bottom edge of the base flashing, and (1) hole on each side approximately 2" up from the bottom edge.

7.) Use exterior-grade screws to secure unit to roof deck, being careful to not over-tighten screws. Apply sealant to screw heads.

8.) Your installation is now complete. Your new SunRise Solar Fan is running from the Sun's FREE power!

Installation Questions?

Call 1-866-599-3566



SunRise Remote Solar Panel Installation Instructions

Follow these instructions for connecting an 11, 15, or 20 watt SunRise Solar Panel to a SunRise Solar-Powered Attic Fan

Mounting Instructions:

- 1) Remove solar panel from packing. Find a suitable location on the roof to mount the solar panel – a Southern or Western-facing roof slope will allow the solar panel to capture the most sunlight during the heat of the day. The solar panel comes with a 15' extension cord, so you must be sure the remote solar panel is not more than 15' from the Solar Fan.
- 2) Drill a 3/8" hole through the roof and feed the wire from the solar panel down into the attic. Apply a generous amount of silicone or other sealant to the area where the wire goes through roof.
- 3) Try to tuck the upper flange of the solar panel under a row of shingles to prevent water from running down under the solar panel. Apply a bead of sealant around the bottom edge of the solar panel and gently set the solar panel in place. Mount the solar panel to the roof using the (8) exterior-grade screws provided.
- 4) From inside the attic, uncoil the extra wire and plug the red wire into the red tab on the motor. Plug the black wire into the black tab. **CAUTION:** Please make sure the wires are plugged red to red (or white to red on some models) and black to black. Fasten the wire to one of the motor bracket arms using one of the wire ties provided. This will keep the weight of the wire from pulling away from the motor connection.
- 5) Now, locate the wire hanging down from the solar panel. Plug the extension wire into the solar panel wires (**the "red" wire may be white on some models**). Once the connection is made, if there is extra wire hanging down, coil it up using one of the wire ties provided to keep the wire from getting snagged, or from pulling the connections apart. The extra wire may come in handy if you need to move the solar panel to a new location in the future. For example, if a young tree grows and shades the solar panel then you will want to relocate the remote panel to a sunny spot.
- 6) RETURN TO STEP #4 ON THE FAN HOUSING INSTRUCTION SHEET

Installation Questions?
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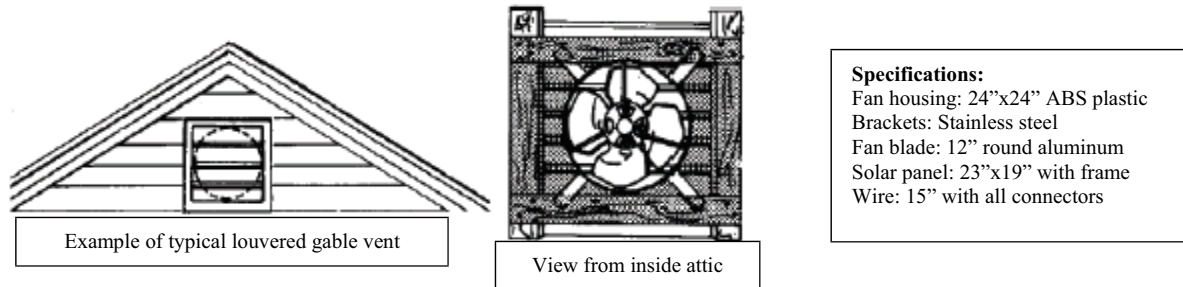
Installation Instructions

Models #GBL 850, 1050, and 1250

The **SunRise™ Solar-Powered Gable Vent** is designed to mount behind existing louvers on the inside of the attic. If no louver exists, one must be installed. Louvered vent should be mounted in the center of the upper portion of the gable wall as high as possible. There is some loss in fan output because louvers block some of the air flow. Metal louvers have more open area than wood louvers and usually allow more air flow.

When installing the **SunRise Gable Vent** behind louvers, you should seal off or box in any louver area not covered by the ventilator housing to prevent air leakage and recirculation. Allow at least one square foot of air intake area for every 300CFM of ventilator capacity. Air intake should come from the eaves (soffit), or a louver mounted on the opposite gable end of attic.

CAUTION: When installing louvers, do not remove existing structural members without providing alternate support.



Mounting Instructions:

- 1) Screw or nail Gable Fan Housing to framing directly behind gable louver as discussed above.
- 2) Remove solar panel from packing. Find a suitable location on the roof to mount solar panel – a Southern or Western-facing roof slope will allow the solar panel to capture the most sunlight during the heat of the day. The solar panel comes with a 15' extension cord, so be sure the solar panel is not more than 15' from the Gable Fan Housing inside the attic.
- 3) If possible, feed the wire into the attic through an existing vent hole or ridge cap. Or, drill a 3/8" hole through the roof and feed the wire down into the attic. Apply a generous amount of silicone or other sealant to the area where the wire goes through roof.
- 4) Gently set the solar panel in place, and mount to roof using the (8) exterior-grade screws provided. Apply sealant to screw heads and around perimeter of mounting flange to prevent leaks.
- 5) From inside attic, connect wires to solar panel, matching red (or white) to red and black to black.
- 6) Gently plug wire connectors into tabs on side of motor, red to red and black to black.
- 7) Use included wire ties to secure loose wire to motor bracket arm.

NOTE: Plugging a red wire to a black, or black to red, will not harm the motor, but airflow will be reversed. Please make sure connections are correct before completing the installation.

SunRise Solar, Inc. • P.O. Box 53 St. John, IN 46373 • (219) 558-2211

Reducing energy consumption worldwide through solar-powered ventilation



*** THIS PAGE APPLIES ONLY TO MODELS WITH A FIXED THERMOSTAT**

Fixed Thermostat Information

This fan has been factory equipped with a thermal on/off switch. This switch is designed to turn the fan:

ON: 80° F
OFF: 65° F
(+/-7°)



Example: Attic temperature rises to 80° and fan turns on. Once it cools to 65° the fan will shut off. If evening comes and temp does not fall below 65° to reset the switch, then the unit will start the next morning at sunrise and continue to cool the attic. However, if the attic temp falls below 65° at night, then the switch will shut off and will not turn the unit on again until attic temp reaches 80°.

INSTALLER: THIS FAN WILL NOT RUN UNLESS THE AMBIENT (AIR) TEMPERATURE IS AT OR NEAR 80°. YOU MAY TEST OPERATION OF THE THERMOSTAT BY BLOWING WARM AIR DIRECTLY ON THE THERMOSTAT TO HEAT IT TO 80°, MAKING SURE SOLAR PANEL IS EXPOSED TO SUNLIGHT AT THE SAME TIME.

SunRise Solar Inc.

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LIMITED WARRANTY



THE SUNRISE SOLAR-POWERED ATTIC FAN HAS A 5-YEAR WARRANTY ON THE MOTOR AND A 10-YEAR WARRANTY ON ALL OTHER PARTS, INCLUDING THE SOLAR MODULE. EACH UNIT IS TESTED BEFORE IT LEAVES THE FACTORY, AND IS QUALITY CHECKED FOR DEFECTS. SHOULD YOUR FAN BECOME INOPERABLE DURING THIS WARRANTY PERIOD, SUNRISE SOLAR INC. WILL EITHER REPAIR OR REPLACE THE FAN.

THE WARRANTY DOES NOT COVER LABOR ASSOCIATED WITH THE REMOVAL OR REPLACEMENT OF THE UNIT ON THE HOME. SHIPPING COSTS WILL BE REIMBURSED UPON DISCOVERY OF A FACTORY DEFECT IN THE PRODUCT. SUNRISE SOLAR INC. WILL NOT BE LIABLE FOR COSTS IN EXCESS OF THE ORIGINAL PURCHASE PRICE OF THE PRODUCT.

THE BLACK PLASTIC PARTS MAY BE PAINTED WITH AN ACRYLIC LATEX HOUSE PAINT TO MATCH SHINGLE COLOR. PAINTING WILL IN NO WAY VOID THE WARRANTY.
(DO NOT PAINT OVER THE SOLAR PANEL)

PLEASE CONSULT WITH SUNRISE SOLAR INC. BEFORE INSTALLING OPTIONAL COMPONENTS SUCH AS AN ON/OFF SWITCH. OUR TOLL-FREE HOTLINE IS 1-866-599-3566.