



Solar Royal 25Watt Solar Gable Ventilation Fan w/ Thermostat Installation Guide

Part Nr.# SRGF-2503/2504

Thank you for purchasing the Solar Royal SR1800 Series Solar Gable Fan.

Please make sure to register your product, as it is necessary for activating the product warranty. Once again, it is crucial that the user registers the product installed within ninety days or your product will not be covered by our warranty. You may register with the enclosed form or online.

The Solar Royal Gable Fans are designed to mount onto existing gable passive ventilation areas. These fans are perfect for customers who would enjoy the benefits of a roof mounted solar attic ventilation appliance, but prefer to use the existing gable vent on your home, shed, barn or any other application that caters to your needs.



Package Contents:

- Solar gable ventilation unit
- 25Watt remote solar panel w/ angle bracket
- 20ft extension cable
- Mounting fasteners

Building a Mounting Box:

For installation, if you do not have an existing fitted ventilation area for a mounted fan, we suggest that you create a mounting frame for easier installation.

To begin, locate an existing gable or passive vent from inside the attic of location the ventilation is being installed. Measure the length between the rafters connected to the vent and cut your wood planks to complete the box around all sides of the vent. Your goal is to have a sturdy wooden frame around the ventilation area that provides airflow so the mounted fan can properly exhaust. We recommend that the mounting box be no larger than 21" x 21". If the gable or passive vent extends beyond this area block off (cover) the excess venting area to prevent backflow of exhaust air. When completed properly, the mounting box should provide an air channel for the gable fan to properly exhaust through.

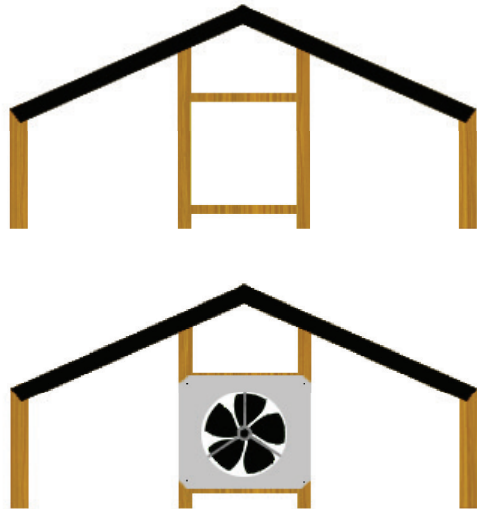
Installation

Step 1: Screw the Gable Fan housing to the frame behind the existing ventilation area. It is important that the fan is securely mounted in a way that it will not vibrate, as this will create unwanted noise. In some cases, if the mounting area is not perfectly flat, use a wide weather-striping (double-sided) between the frame and gable fan, as this will help reduce any vibration noise which can occur when the mounting service is not perfectly flat.

NOTE: If you have a long roof line which would require two gable fan units, it is important to have one fan pulling in air and have the other exhausting air. By doing this, the air exchanges will be much more efficient with all the air flowing in one direction. If a set up like this is required, be sure to change the direction in which one of the motors is mounted so that one fan is pulling air in, and the other is sucking air out.



Installing a Gable Fan is fairly easy, but Solar Royal, LLC recommends that if you have no experience working with these materials or are not familiar with working on a roof or attic space, we recommend you hire an insured and bonded professional to install any of your roof or attic appliances.



Step 2: Remove the remote solar panel from the packaging and find a suitable location on the roof to mount the panel. The most suitable location would be on a roof or wall facing south or west so that the panel can absorb the optimal amount of sunlight during the day. (optional: SolarRoyal Universal (Solar Panel) Mounting Bracket SKU: SR-UMB01 which allows the solar panel to be mounted on a pole, fascia, wall, under the eaves, roofs, etc. [pictured below])

NOTE: Remember, you are limited to the length of the provided cord between the remote solar panel and the mounted gable fan. Please take this into consideration when identifying the mounting location of the solar panel.

Step 3: Either thread the extension cord through an existing vent hole, or using a 5/8" drill bit to drill a hole through the gable side wall, feeding the wire through to the gable fan. Apply copious amount of silicone or other sealant to the area where the wire goes through to ensure for a good watertight seal.

Step 4: Once the solar panel is in place, mount it to the designated area using the exterior-grade screws. Make sure to apply your sealant on top of the screw heads and around the base of the flashing for a good seal.

Step 5: Once all components are in place, plug in the corresponding wires together (male -to- female). We also recommend using a strong electrical tape and wrapping the connectors together to ensure that they do not come apart.

NOTE: Your gable fan should start turning if enough sunlight is available right away. Please keep body parts and tools away from the turning blade; this can not only damage the product, but can also be harmful to yourself.

Thank you again for allowing us to earn your business. Remember to activate your warranty by completing the registration form or online registration form. If you have any questions, please do not hesitate to contact us.

Your SolarRoyal Team

SolarRoyal Universal (Solar Panel) Mounting Bracket SKU: SR-UMB01

