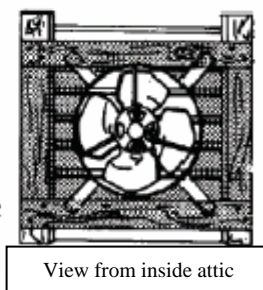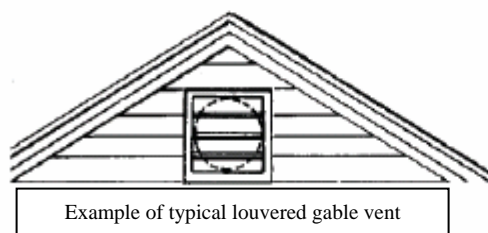# Installation Instructions
Models #GBL 850, 1050, and 1250

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.

Example of typical louvered gable vent

View from inside attic

Specifications:
Fan housing: 24"x24" ABS plastic
Brackets: Stainless steel
Fan blade: 12" round aluminum
Solar panel: 23"x19" with frame
Wire: 15" with all connectors

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.

SRS
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