Thank you for purchasing the Add-a-Panel option from U.S. Sunlight Corp.

We are committed to providing alternative energy products that can improve your everyday life and our environment. We have reduced packaging material and eliminated Styrofoam to reduce the impact on landfills. We offer an installation video that is available to view online at [www.ussunlight.com](http://www.ussunlight.com).

If there is a problem with your U.S. Sunlight product call us at 1-866-446-0966.

Spare parts, installation advice, or recommendations for professional installers in your area are only a phone call away. Professional installation may be much less than you expect, please call us to get average rates for your area.

Before beginning the installation of your new All Purpose Ventilator, please read through the entire installation instructions and call us if you have any questions.

### Optional Hardware (not included)

<table>
<thead>
<tr>
<th>Panel mounting options: (roof mounting)</th>
<th>Panel mounting options: (wall mounting)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 3” galvanized deck screws</td>
<td>• 1.5”- 3” anchor screws (depending on your specific type of stucco, cement or brick wall. Must support up to 20 lbs)</td>
</tr>
<tr>
<td>(for mounting to composition roof)</td>
<td>• 1.5”- 3” galvanized screws (depending on your specific type of wood or vinyl siding. Must support up to 20 lbs)</td>
</tr>
<tr>
<td>• caulk gun with roof tile adhesive</td>
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</tr>
<tr>
<td>(for mounting solar panel directly to s-tile, flat tile or metal roofs)</td>
<td>(for sealing screw heads when mounting to wood or vinyl siding)</td>
</tr>
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</table>

### Mounting the additional Solar Panel

If you are adding the panel to an All Purpose Ventilator (gable fan) or a roof mounted fan such as the Solar Powered Attic Fan or Roof Mount Attic Fan be sure to measure the distance before installing.

The Solar panel unit comes with 30 ft. of wire. It is a good idea to measure the distance from the fan’s motor and where you’ll be installing the panel to make sure you have enough wire to cover the span. *(between a. and b. on fig. 1 & 2)*
Selecting the best location for the additional panel

We’ve designed the add-a-panel to allow you the flexibility to place it where you can get the best exposure to the sun during the course of the day. You can place it on the opposite side of the roof or an exterior wall that gets the sun exposure in the morning or afternoon. Survey your home to determine the best location for the extra panel. If the first panel gets morning sun but no afternoon sun, install the second panel where it will get exposed more to the afternoon sun and vice-versa. This will keep the fan running for much longer periods during the day.

Surface mounting on composition roofs:

Step 1.
Loosen and remove screw A (both sides) to allow the panel to swing away from the base.
Set the screws aside. (fig. 3)

Step 2.
Before mounting, make sure to pull the wire back through the hole in the center of the base so the base can lay flat on the roof surface when installed. (fig. 4)

Step 3.
Mount the base using four 3” galvanized screws making sure to seal the screw holes with a roof tile adhesive as shown. Tilt the panel away from the base while installing the screws. If the panel is to remain flat against the base when installed it is recommended that you allow the roof tile adhesive to completely dry before contacting with the panel. (fig. 5 & 6)

Surface mounting for S-Tile, Flat Tile or Metal roofs

Step 1.
Determine the location of the contact points by positioning the panel in the desired area. For S-Tile roofs, find a position with as much surface area coming in contact with the bottom of the panel as possible. The panel must be mounted on at least 2 rows of tile as shown. (fig. 7 & 8)

Step 2.
Apply enough roof tile adhesive to the underside of the base to firmly secure the panel to the surface. Both surfaces should be dry and free of any dirt or solvents. (fig. 9)

Step 3.
The panel can be tilted into two positions with the adjustment arm, chose the best angle and reinstall the adjusting screws (screw A). (fig. 10)
**Wall mounting:**

Brackets are included to mount the panel to a wall if preferred. First, assemble the braces to the brackets as follows:

**Step 1.**
Attach the brace to each bracket with the cross brace bolt and nut (E.) *(fig. 11)*

**Step 2.**
Attach the brackets to the panel using the 4 bolts (F.) *(fig. 12)*

**Step 3.**
Depending on the material your wall is made of, mount the assembly to the wall using appropriate fasteners (see “Optional Hardware” on page 1 for details). *(fig. 13 and 14)*

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**Connecting the motor and two panels with the Y-Adapter**

The Y-adapter allows 2 solar panels to be connected *in parallel* to the motor. This *does not* double the voltage to the motor - it simply provides another power source to allow the unit to operate for a longer period of time during the day.

**A. For the 9910APV:**

**Step A1.**
Connect the leads of the first solar panel to the Y-Adapter as shown in *(fig. 15 & 16)* Make sure to connect black to black and red to red, etc.

**Step A2.**
Connect the leads from the second panel *(fig. 16)* to the Y-Adapter in the same fashion. If necessary, use a piece of electrical tape to cover the black leads so they don’t touch the red leads when everything is connected.

**Step A3.**
Connect the other end of the Y-Adapter *(fig. 17)* to the motor make sure to connect the black lead to the black post and red lead to the red post. *(fig. 18)*

**B. For the 9910TRP:**

**Step B1.**
An access point is located under the shroud to allow for connecting an extra panel. *(fig. 19)*
Cut the zip ties that hold the wires to the frame. *(fig. 20)*

**Step B2.**
Disconnect the panel leads from the motor leads. *(fig. 21)*

**Step B3.**
Now connect the Y-Adapter as described in steps A1 - A3 to the motor and panel leads as shown in *(fig. 22)*

**Step B4.**
Bundle and re-attach the wires to the rodent screen with zip ties.
WARRANTY

Manufacturer’s Limited Warranty

U. S. Sunlight Corp. ("Manufacturer") warrants that certain of its product components are free from defects of workmanship and/or materials for a period of time commencing on the date of original purchase and continuing as noted hereafter: (a) attic fan motors for a period of five (5) years (b) solar panels for a period of twenty (20) years (c) attic fan housings for a period of twenty (20) years.

Disclaimer

Except as expressly set forth herein, all Manufacturer’s products, including components thereof, are sold “AS IS” without warranty of merchantability, fitness for intended purpose, or other warranty, express or implied. In no event shall Manufacturer be liable for the loss of profits, indirect, special, incidental, consequential or other similar damages, including but not limited to any claim or demand arising out of the installation, furnishing, or functioning of a product or use by purchaser or any third party. The warranty terms and conditions detailed above do not extend to misuse, neglect, abuse, alteration, exposure to extreme weather conditions, lightning strikes, physical damage to any product, or damages caused by transportation or installation of any product. Manufacturer explicitly does not warrant any labor, shipping, or service fees incurred by purchaser for the replacement, repair, or exchange of any product or product components claimed under the above warranty terms and conditions.

Warranty Claims

Warranty claims shall be submitted in writing to Manufacturer at its principal place of business. Claims shall include a copy of the original purchase invoice, purchaser’s name, address, telephone number, and e-mail address, and such other particulars as are necessary to describe the claimed defect. If requested by Manufacturer, purchaser shall ship the claimed defective component(s) to Manufacturer’s principal place of business, FOB destination, freight prepaid, for evaluation. As to any product component determined by Manufacturer to contain a defect covered by its warranty, Manufacturer reserves the right, at its discretion, to repair or replace the defective component, or rebate a portion of the purchase price prorated based on the balance of the warranty term.

General

This limited warranty contains all of the terms and conditions of Manufacturer’s warranty of the purchased product and its components. No representation, arrangement, or agreement not appearing herein shall be binding on Manufacturer. This limited warranty is issued in and shall be governed by the laws of the State of California.

REGISTRATION

WE WOULD LOVE TO HEAR FROM YOU!

To register please visit our website: www.ussunlight.com
or simply fill out this form and mail to:
U.S. Sunlight, Inc. | 683 Pinnacle Place, Livermore, CA 94550

Name ______________________________ Address ______________________________
City ______________________________ State _______ Zip ______________ Date of Purchase __________
Purchased From ______________________________ Name of Installer ______________________________ (self __)
Phone # of Installer ______________________________ Method of application : Gable _____ Static _____ Crawl space _____
Comments __________________________________________
________________________________________________________________________
________________________________________________________________________
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