



SOLAR POWERED SOFFIT FANS LLC

### SPSF 430D Fan Cluster Conversion

SPSF Model 430D is configured as a pair of fan clusters that can be installed separately to distribute the supply of fresh air. In some cases, however, there may not be suitable separate soffit vents for two separate fan installations. The pair of fan clusters can easily be combined into a single unit if-

The roof truss spacing is 24 inches on center; and

The open soffit vent area between the rafters at the fans is at least 60 square inches (such as a 4 inch x 24 inch screen (best), a pair of Deflecto vents, or a 16 inch x 8 inch louvered aluminum vent).

This arrangement simplifies wiring installation, may allow the fans and solar panel to be co-located, further simplifying installation, and may be all that is needed if the attic area is only about 10-15 feet wide on either side of the fans.

To combine the fans –

Bend the spring mounts so that they point straight out, parallel to the outlet air flow;

Set the fans next to each other on a flat surface, outlets in the same direction, wire outlets up;

Apply a piece of duct tape (not provided) to the adjacent edges of the fans outlets;

Use a tie wrap (provided) to connect the spring mounts at the fan inlets;

Turn the fans over and use a tie wrap (provided) to connect the spring mounts at the fan inlets;

Tape the fans outlets together; and

Twist the red wires together, then the black wires.

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