

How to find out why your, SolarVenti isn't running

Sunshine through a cloud is not enough for the SolarVenti to start running. There must be a blue sky around the sun. Also, the SolarVenti must point toward the sun (toward the south on the northern hemisphere), and there must be absolutely no shadows on the SolarVenti from trees, buildings etc.

If the sun shines directly, without hindrances, on your SolarVenti, and the SolarVenti still doesn't run, there may be something wrong with either

1. The wiring connection
2. The regulator or on/off switch
3. The solar cell (in the SV30 one or both of the two solar cells)
4. The fan

Please try the following, one step after the other, while the sun is all the time shining on the full surface of the SolarVenti:

Step 1

Check the wires. They must be connected to the regulator (or on/off switch) in accordance with the wiring diagram from the installation instructions.

If your SolarVenti has only an on/off switch, be sure that it is set at "on". If your SolarVenti has a regulator, be sure that the off/on position (first button from the left) is set at "on". The speed button (second button from the left) must be turned fully to the right, so must the thermostat button (third button from the left). If your SolarVenti still does not run, despite full sun, go on to step 2.

Step 2

Disconnect the wires from the regulator or switch. Now, connect the brown and the black wire from the collector to each other. Leave the blue wire from the collector unconnected. If the SolarVenti starts now, there is something wrong with the regulator/switch, and the regulator/switch must be replaced with a new one. If the SolarVenti doesn't start, there's something wrong with either the fan or the solar cell(s) in the collector. Go on to step 3.

Step 3

Get hold of a 12 volt battery (which you know is working!), for instance the battery from a drill. Disconnect the brown wire from the black wire again, and connect the black wire to the + (plus) pole of the battery and the blue wire to the - (minus) pole of the battery. Leave the brown wire unconnected. This should give power directly to the fan. If the SolarVenti starts now, there is something wrong with the solar cell(s) in the collector. If the SolarVenti doesn't start, there is something wrong with the fan, and the fan must be replaced with another one.

NOTE! If you have a spare fan that is OK, you can also try this: connect the brown wire to the plus and the blue wire to the minus of the fan. The fan will run, if the sun is shining on the SolarVenti and the solar cell is not defect.