

# ReVent<sup>®</sup>

models **RVSH50, RVSH70,  
RVSH80, RVSH90, RVSH110,  
RVSH130, RVSH150**

## Frequently Asked Questions

### (Fan)

**Q:** How do I clean my FAN?

**A:** It's important to clean the SHIELD cover from time to time. Dust particles can build up on the SHIELD. See PAGE 19 for care and cleaning instructions.

**Q:** What is CFM?

**A:** CFM is a measurement of air movement (cubic feet per minute). The higher the CFM, the more air movement.

**Q:** What is a sone?

**A:** Sone is the rating used to describe the sound level. The lower the sone the quieter the fan. A sone is not a decibel. Fans around 1 sone or less are considered quiet while fans around 2 sones or more are considered loud.

**Q:** Can I install my bathroom ventilation FAN directly over a bathtub or shower?

**A:** Yes, but your FAN must be rated for over a shower/bath installation (all ReVent models are) and must be on a GFCI protected circuit. Consult a qualified licensed electrician about ground fault protected safety circuits.

**Q:** Do I have to vent my FAN to the outside?

**A:** Yes. All spot ventilation fans must be vented to the outside. Follow your local code and consult it for advice. See PAGE 6 for national venting installation suggestions and guidelines.

**Q:** Why do the windows and mirrors fog even when the FAN is running?

**A:** If windows and mirrors are very cold, condensation can still form on those surfaces. If the bathroom is sealed tightly, replacement air may not be entering the room fast enough to displace moist air. You need a gap under the bathroom entrance door to allow air to enter the bathroom. If your home uses 3 inch diameter ducting, upgrading the duct pipe to 4 inch diameter can greatly increase the airflow. The vent pipe length should be 10 feet or less with minimal bends (See PAGE 6). Ensure that the vent pipe is not blocked.

**Q:** My FAN is operating, but the air is moving slower than normal.

**A:** Check for obstructions in the ductwork. A common problem is debris blocking the roof cap or outside wall vent. Older homes may have 3 inch diameter ducting and changing the duct pipe to 4 inch diameter can greatly increase airflow.

**Q:** Why is there water dripping from my FAN?

**A:** Dripping water is typically condensation from a cold vent pipe. Insulating the ductwork and FAN housing can help solve condensation problems. Running the FAN longer will ensure moisture is completely removed from the duct. Another possibility is rain entering the vent pipe through the roof vent opening.

Q: I have installed my FAN and it is not working, what do I do?

A: Make sure the black and white plug-in connector on the FAN is clicked into place. Check all electrical connections like wire nuts and quick connects. Make sure the circuit breaker is turned ON after completing all the electrical work. If you have any concerns consult a licensed electrician.

## **(Control)**

Q: My existing switch only has two wires. How do I properly connect the CONTROL to the FAN?

A: You will need to test these wires with a voltage tester to determine which one is power and which one goes to the fan. The black wire on the CONTROL connects to the wire that is tested to be the incoming power. The red wire on the CONTROL connects to the wire that is tested and confirmed to connect to the FAN. You will need a neutral and a ground. Please refer to PAGES 20-21 for instructions on how to properly wire the CONTROL. If you have any concerns, we suggest consulting a licensed electrician.

Q: Will the CONTROL still work without a neutral wire?

A: A neutral is required to operate the CONTROL. Generally, there will be a neutral wire available in your junction box (wall box). Older homes or homes where code was not followed can make it a problem to find a neutral. If that's the case for you, then you'll need an electrical testing device to find a neutral wire. We suggest you use a qualified licensed electrician to do this work.

Q: How do I set the CONTROL's sensitivity for my specific bathroom?

A: This is easy, see PAGES 22-23 for instructions on how to do this.

Q: The FAN comes on too early or too frequently. How can I fix this?

A: This means the CONTROL's sensitivity is set too high. Simply turn the sensitivity dial counterclockwise slightly to reduce the sensitivity. We suggest small increments at a time. See PAGES 22-23 for more details.

Q: The FAN doesn't come on quickly enough. How do I fix this?

A: If you want the CONTROL to come on faster, rotate the sensitivity dial clockwise to make the CONTROL more sensitive. Move the dial in small increments until you find the right setting. See PAGES 22-23 for more details.

Q: Is it possible to disable the humidity sensing?

A: Yes! To disable the humidity sensing, first make sure the FAN is off. Then push down and hold the button on the CONTROL, releasing the button after 15 seconds. To enable the sensor again, simply repeat the process.

Q: If I disable the CONDENSATION SENSOR, can I still operate the FAN manually?

A: Yes, manual and timer operation is not affected.

Q: I use an air conditioner during the day in the summer and turn it off at night. When I do this my FAN turns on. What's happening?

A: Sometimes, when the air conditioning is turned off, the house will start to attract condensation (humidity). The effect is similar to taking a shower or a bath. The CONTROL senses the increased condensation (humidity) and turns the FAN on. To avoid this, you can reduce the CONTROL's sensitivity level. See PAGES 22-23 for instructions on how to do this.

Q: The BLUE LED LIGHT is pulsing. What does that mean?

A: The pulsing is telling you that the CONTROL is sensing condensation (humidity) and is running the FAN to remove the condensation. When the BLUE LED LIGHT is solid (not pulsing on/off) the FAN is on and either in manual timer mode or in sensor operated drying mode. Note: When the CONTROL senses condensation, it will run the FAN as long as it takes to return the room to its normal state. After a shower or bath, this is typically 25-35 minutes. The manual timer setting does not change the drying time. The manual timer is for smell removal time only.

Q: I lost the SETTINGS TOOL that came with the CONTROL SCREW KIT, can I use a screwdriver to make adjustments?

A: Yes. You can use any small tool, just be careful not to break the sensitivity and timer dials.

Q: What happens if someone turns the FAN off before the room is fully dried?

A: The CONTROL knows when your room needs to be dried. If someone turns the CONTROL off manually it will still sense the condensation and turn on again after 1 minute to finish drying the room.

Q: If I set my countdown timer to 5 minutes, does that mean that the FAN will only run for 5 minutes when condensation is detected?

A: No. The timer is only used with manual operation. The CONDENSATION SENSOR in the CONTROL runs based on condensation detection only and will always run the fan as long as it takes to return the room back to its original dryness level before the shower or bath.

Q: When the FAN is on, the CONTROL is clicking and the BLUE LED LIGHT is turning on and off. How do I fix this?

A: The CONTROL may be wired incorrectly. Check the wiring diagram on PAGES 20-21 and ensure that the power, neutral, fan, and ground wires are connected correctly.

Q: Can I use the CONTROL in a 3-way wiring configuration?

A: Yes, the CONTROL can be used in multi-switch and/or multi-fan configurations. The instructions and wiring diagrams for these configurations can be found at [www.reventfans.com/wiring](http://www.reventfans.com/wiring).

Q: I really like the CONTROL, can I order a second one separately?

A: Yes! Visit our website at [www.dewstop.com](http://www.dewstop.com) to purchase more DewStop® Humidity and Condensation Sensing Fan Controls!

Q: I still have additional questions.

A: Contact us at [info@reventfans.com](mailto:info@reventfans.com) or call our service department at (877) 543-8698. We are happy to assist you with any additional questions.