



CERV Wireless Switch Option:

Boost Your Ventilation



Description:

The CERV system contains on-board CO2 and VOC sensors to monitor and control fresh air, keeping your indoor environment at the highest quality possible. Because there are times when you may want fresh air before the CERV senses it is needed, a wireless switch option is available. These wireless switches come in two versions; an in-line version called an active circuit transmitter that is wired into an existing circuit (ex. light, recirculating vent hood), or as a standalone decorator rocker style wall switch.



The active circuit transmitter (left) and wall switch (right) shown in white. Wall switches available in white, black, brown, ivory, and almond.

The wireless switch option can be used to trigger ventilation for any rooms with odors or moisture, such as:

- kitchens,
- bathrooms,
- home gyms,
- laundry rooms,
- or wherever else there may be activity with odors or moisture.

One of the most common applications is bathroom ventilation. Placing a wireless wall switch in each bathroom eliminates the need to install bathroom vent fans. When using a bathroom, simply pressing the switch will start the CERV in ventilation mode for a pre-set time period. The savings in cost for eliminating a bathroom vent fan and its installation more than pays for the CERV wireless switch option. Your home's envelope tightness will also be improved as a penetration to the outside for each exhaust fans is not needed.

Kitchen exhaust is also a very common use for the wireless switches. Many homeowners find it convenient to use the wireless in-line switch in conjunction with a re-circulating kitchen vent hood. When cooking and the vent hood is turned on, the wireless inline switch will force the CERV into ventilation mode. The re-circulating hood will move steam and odors away from the cooking surface and filter out particulates, while the CERV ventilates to expel the cooking odors and moisture outside the house. This eliminates the need for an outside vented kitchen hood, saving additional installation costs and providing a tighter house with fewer wall penetrations to the outside.

Installation/Operation:

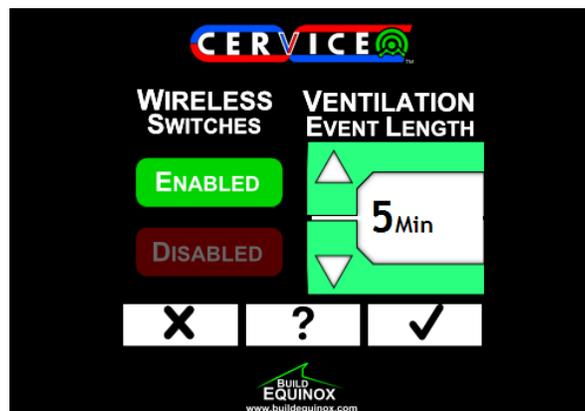
The switch option consists of a small relay, which communicates between the CERV and any number of either wireless inline or wireless wall switches. The relay is wired to the CERV's control module and the wireless switches are placed wherever desired in the house. Running wires throughout the building is not necessary.



CERV wireless switch option relay.

You need info on switch installation. Talk about how it is either gang mounted in a standard electrical rough-in box, or may be surface mounted directly on the wall. Maybe side by side isometric (3/4 angle) photos of each.

With the wireless relay and switches in place, the wireless switches are enabled on the CERV's touch screen controller, or on-line with CERV-ICE, and then the ventilation event length timer is set as shown below. This completes the setup.



CERV controller screen with wireless switches enabled and ventilation event length set to 5 minutes.

Once programmed, whenever any wireless in-line or wireless wall switch is activated in the home, the CERV will ventilate for the event length you set. This time length can be changed at anytime on the controller. When the ventilation time is done the CERV will return to normal operation mode.

The wireless switch option can either be purchased with a CERV order or can be purchased and installed later on an existing CERV. Additional switches can be purchased for use with an existing CERV that already has the wireless switch option installed. For pricing please reference a current price sheet or contact your local CERV representative.