



INSTALLATION GUIDE

WIRELESS VENTILATION SWITCHES



OVERVIEW

The CERV's wireless ventilation switch option provides additional flexibility to the CERV system, allowing the occupants to trigger ventilation events. Ventilation may be started by using wireless wall switches (PTM265) or an active circuit transmitter (ERM-DAC). Ventilation will continue for the user-configured period of time.

This guide describes installation of the wireless switch components. See CERV installation, operation, and touchscreen controller guides for more information.

WHAT'S IN THE BOX



*faceplate for wireless switches not included

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INSTALLATION

PTM265 Wireless Switches (Wall switch)

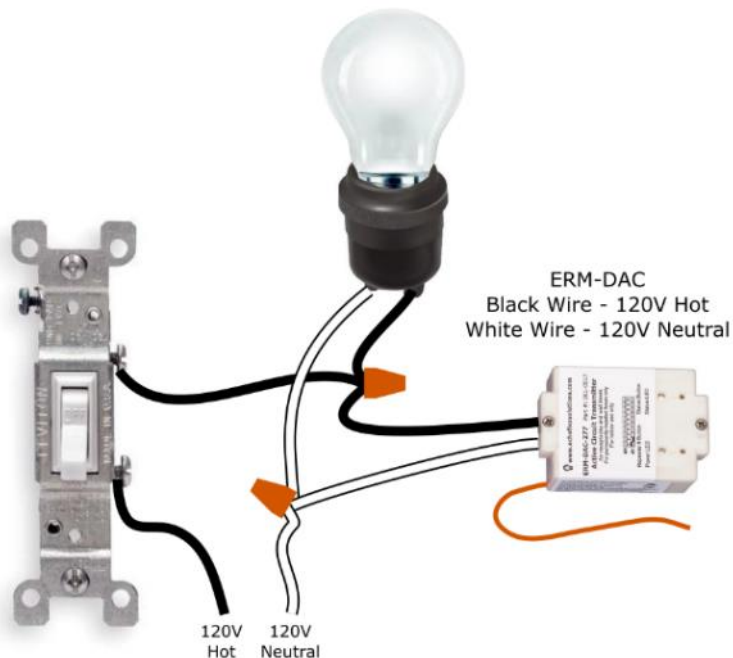
The wireless wall switches may be mounted on any surface with the included bracket (using mounting holes on the switch, mounting tape, or Velcro), or installed in wall switch boxes. Please note that some materials may attenuate the signal more than others – wood, plaster and glass have minimal signal interference, while materials like brick, concrete, and metal can significantly degrade the wireless transmission. The switches do not require batteries and have been pre-programmed to the *ERM-DLC* wireless switch relay.

ERM-DAC Active Circuit Transmitter (Inline switch)



The ERM-DAC Active circuit transmitter should be installed by a qualified installer or electrician. Follow all electrical codes applicable in the location of installation.

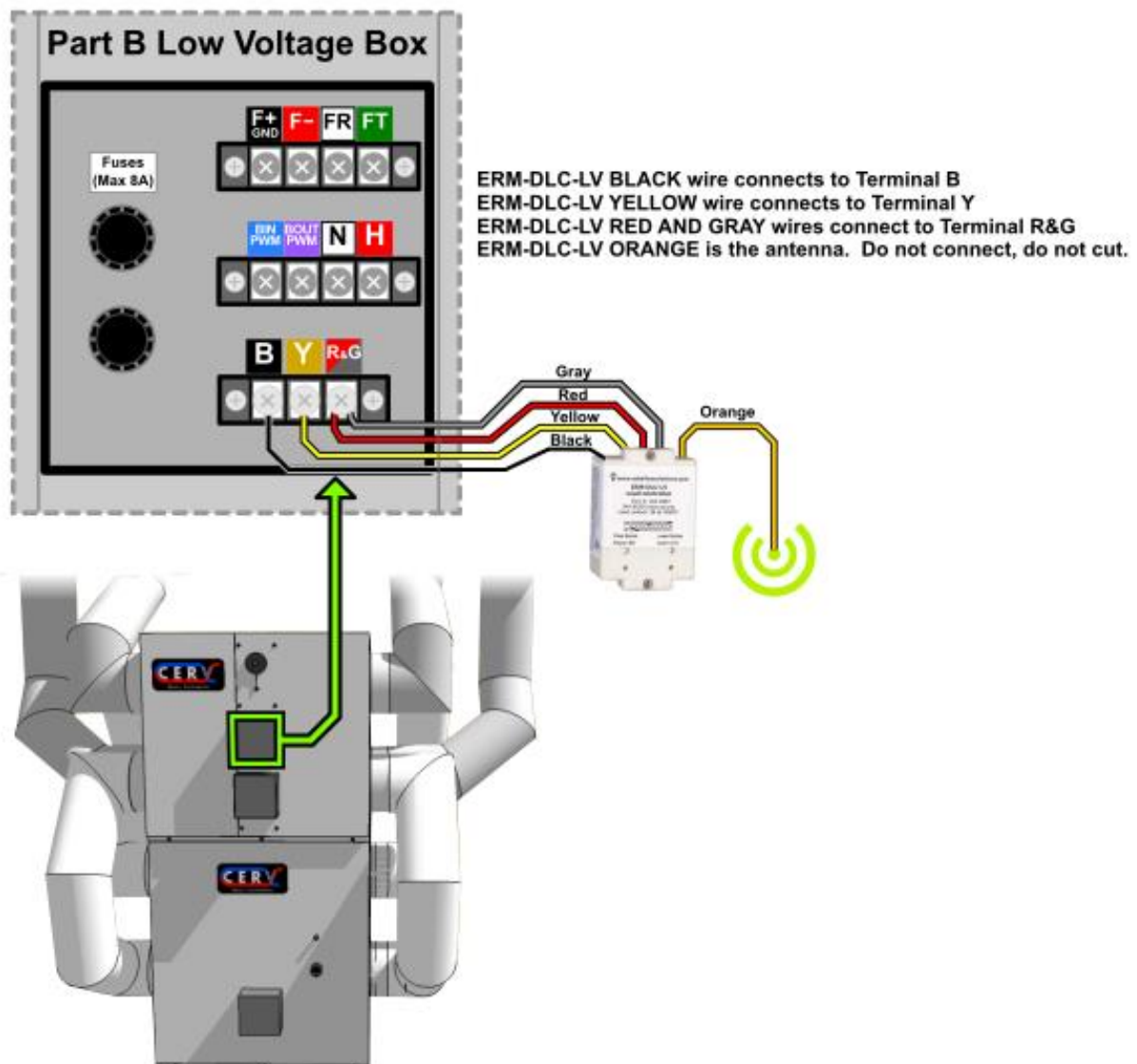
The ERM-DAC should be installed in parallel with a load (light, range hood, etc), or directly from a switched 120V circuit. The black wire should be wired to 120V Hot (usually black), and white should be wired to 120V Neutral (white). The orange wire is the antenna, and therefore should not be cut or connected to anything.



ERM-DLC Load Controller (Switch option relay)

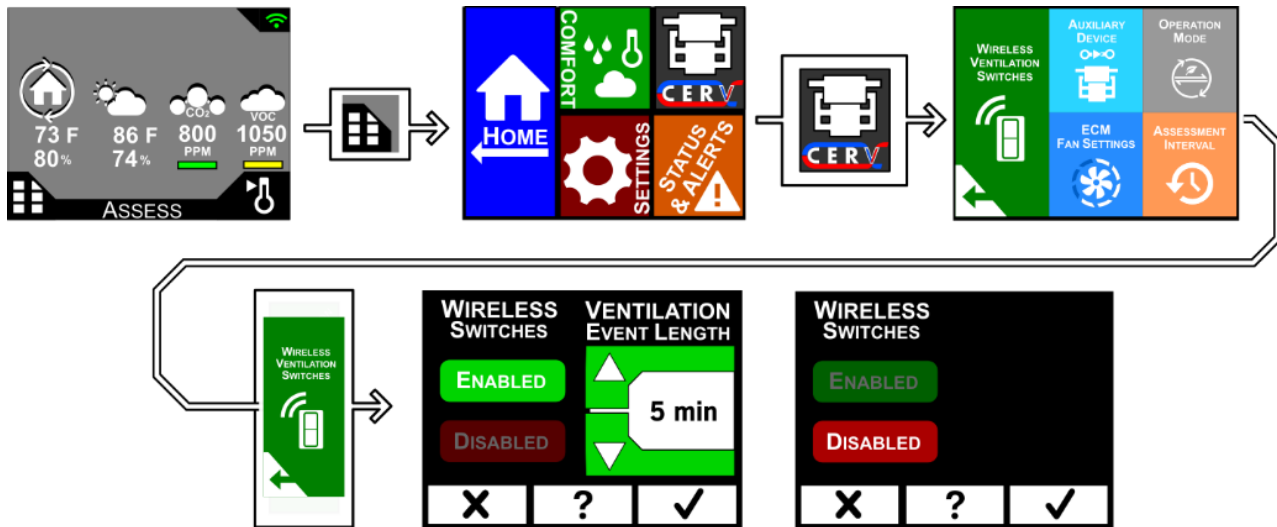
The ERM-DLC load controller is wired to the CERV-Part B and receives wireless signals from the PTM265 wall switches and ERM-DAC active circuit transmitters. The ERM-DLC wires should be run through a conduit knockout hole and connected to the Part B Low Voltage box as shown below. The ERM-DLC module may be affixed to the CERV using the included piece of Velcro.

- Black wire → B terminal
- Yellow wire → Y terminal
- Red & Gray (or White) wire → R&G terminal
- The orange antenna wire should not be cut or connected.



CONFIGURATION

The wireless switches must be enabled through either the touchscreen controller (or CERV-ICE online) through the menu path below. Vent length can be set from 5 minutes up to 60 minutes.



The Ventilation Event Length parameter is described in the following figures:

