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-DAU-277). 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

| ERM-FSU-24 Wireless Relay | PTM265W White Switch | PTM265A Almond Switch | PTM265V Ivory Switch | PTM265R Brown Switch | PTM265B Black Switch | ERM-DAU-277 Active Circuit Transmitter |

*faceplate for wireless switches not included

SUPPORT@BUILDEQUINOX.COM
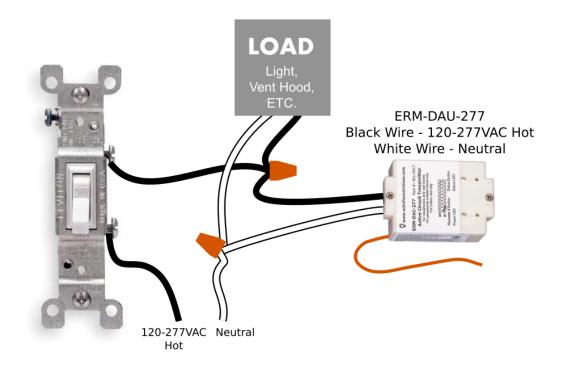
(773)-492-1893

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-FSU-24* wireless switch relay.

ERM-DAU-277 Active Circuit Transmitter (Inline switch)

The ERM-DAU-277 Active circuit transmitter should be installed by a qualified installer or electrician. Follow all electrical codes applicable in the location of installation.
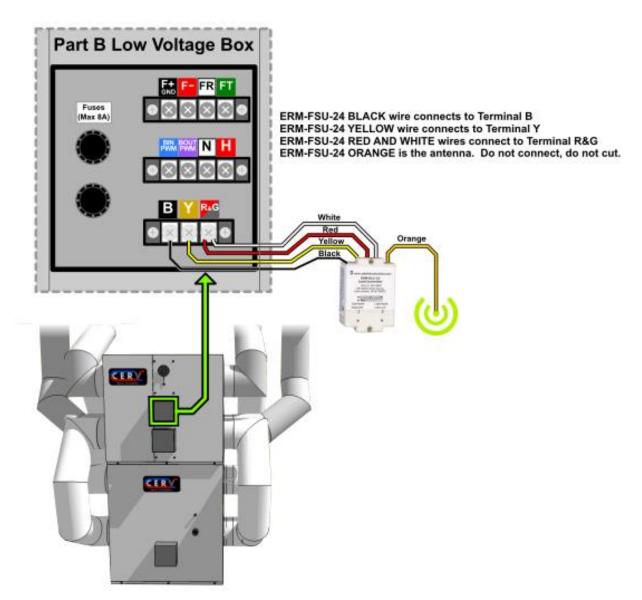
The ERM-DAU-277 should be installed in parallel with a load (light, range hood, etc), or directly from a switched circuit. The black wire should be wired to the Hot (120-277V) conductor and white should be wired to Neutral (white). The orange wire is the antenna, and therefore should not be cut or connected to anything.

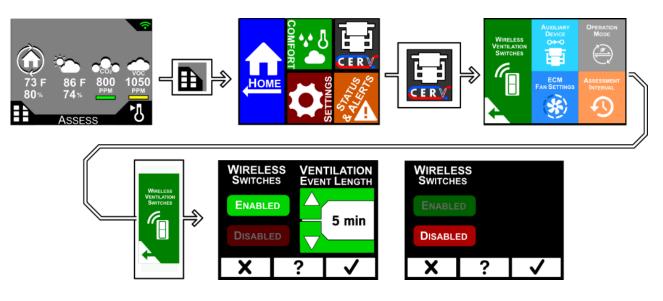## ERM-FSU-24 Load Controller (Switch option relay)

The ERM-FSU-24 load controller is wired to the CERV-Part B and receives wireless signals from the PTM265 wall switches and ERM-DAU-277 active circuit transmitters. The ERM-FSU-24 wires should be run through a conduit knockout hole and connected to the Part B Low Voltage box as shown below. The ERM-FSU-24 module may be affixed to the CERV using the included piece of Velcro.

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

Part B Low Voltage Box

ERM-FSU-24 BLACK wire connects to Terminal B
ERM-FSU-24 YELLOW wire connects to Terminal Y
ERM-FSU-24 RED AND WHITE wires connect to Terminal R&G
ERM-FSU-24 ORANGE is the antenna. Do not connect, do not cut.

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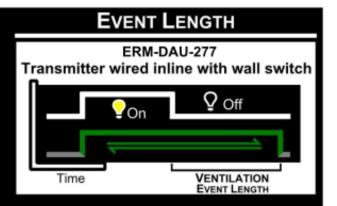
The Ventilation Event Length parameter is described in the following figures:

EVENT LENGTH

ERM-DAU-277
Transmitter wired inline with wall switch

CERV begins ventilating when the switch is turned on. When the switch is turned off, the CERV will continue ventilating for the specified Ventilation Event Length time, and then return to normal operation.

EVENT LENGTH

ERM-DAU-277
Transmitter wired inline with wall switch

EVENT LENGTH

PTM265
Wireless rocker switch

CERV begins ventilating when the switch is pressed. The CERV will continue ventilating for the specified Ventilation Event Length time, and then return to normal operation.

EVENT LENGTH

PTM265
Wireless rocker switch