



## Guide – Active Circuit Transmitter with Current Sensing Relay

### Description

In some cases, directly wiring Build Equinox's Active Circuit Transmitter wireless option to a vent hood, dryer, or electric load is not possible or desired. For this scenario, a Current Sensing Relay may be used in combination with the Active Circuit Transmitter, allowing the Active Circuit Transmitter to trigger the CERV to ventilate when the monitored appliance reaches a current threshold (set on the current sensing relay). An example Current Sensing Relay is specified below, but any comparable one may be used. Build Equinox does not sell this component.

Parts specified:

- Current Sensing Relay: Hilitand SZC23 No AL-CH Model – [Product Link](#)
- Build Equinox 120-277VAC Active Circuit Transmitter – [Product Link](#)
- Build Equinox 24VAC/24VDC Active Circuit Transmitter – [Product Link](#)

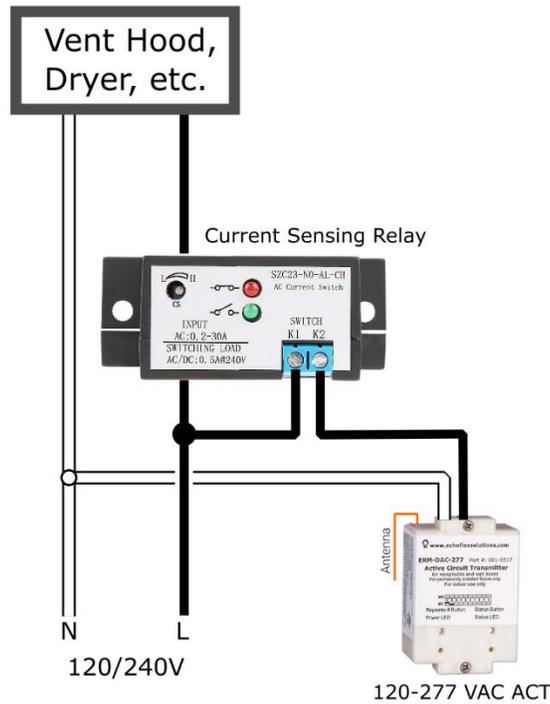
### Installation



**Any electrical work should be performed by a qualified installer or electrician. Follow all electrical codes applicable in the location of installation.**

### Example 1: 120-277VAC ACT Powered by Line Voltage

If line voltage from the appliance is accessible, it may be used to provide power to the Active Circuit Transmitter (switched through the Current Sensing Relay)



### Example 2: 24VAC/VDC ACT Powered by Separate 24VAC Transformer

If line voltage is not accessible from the appliance, a separate 24VAC transformer may be used along with the 24VAC/24VDC Active Circuit Transmitter. In this case, the Current Sensing Relay switches one of the lines from the transformer to the ACT when the set current limit has been reached.

