

## Strip Heat Cut-Out Thermostat Installation Procedure

Note: If there is not an emergency heat switch on the house thermostat, a new thermostat must be installed prior to installing an outdoor cut-out. DO NOT install an outdoor cutout thermostat if there is not an emergency heat switch at the house thermostat.

1. Check the amperage at the strips to make sure that the second stage heat turns on the strips.
2. Check the amperage at the strips to make sure that the emergency heat turns on the strips.
3. Check the house thermostat wiring to make sure the second stage heat and emergency heat use separate wires.
  - If not, rewire the thermostat / air handler connections so that second stage and emergency heat use separate wiring.
  - If no additional wires exist at the house thermostat you will not be able to install a cutout unless you can run new wiring.
4. Check the wire colors at the house thermostat for the second stage and emergency heat modes.
5. Make sure the wire coming from the emergency heat terminal at the house thermostat is connected to a terminal at the air handler that powers the heat relay coil.
  - If the emergency heat terminal at the air handler is not connected to the heat relay coil then install a jumper from the emergency heat terminal to the heat relay coil (or second stage heat terminal)
6. Make sure you have an extra wire running from the air handler to the outdoor unit (install one if it doesn't exist).
7. Remove the second stage heat wire coming from the house thermostat to the air handler from terminal at the air handler and wire nut it to the wire running to the outdoor unit from the second stage heat terminal at the air handler (power from the thermostat now goes directly to the outdoor unit).
  - You might have to use a VOM to test which set of wires come from the house thermostat and which come from the outdoor unit.
8. Remove the wire coming from the second stage heat connection at the air handler (the one you just connected to the house thermostat) from the outdoor unit terminal block. Connect this wire to one end of the outdoor cutout thermostat.
9. Connect the free wire from the air handler to the outdoor unit to the other lead on the outdoor cutout thermostat. Also connect a jumper wire from this lead of the outdoor cutout thermostat to the terminal on the outdoor unit terminal block that you just removed the other wire from.
10. Connect the free wire from the outdoor unit to the air handler to the terminal you removed the wire from in step # 7 (second stage heat wire coming from the house thermostat to the air handler)
11. Check the function of the strip heat in both the second stage heat mode and emergency heat mode. Use an ice bath to check second stage heat operation if the outdoor temperature is above the set point of the outdoor cutout thermostat.