

Adding the 5th wire for a wifi thermostat:

Contactor

Most wifi thermostats are powered by you 24 volts, which means it needs a 5th thermostat wire to provide the neutral/common side of the 24 volt power.

You will need to run a thermostat cable with at least 5 wires from your thermostat to the control box. The Red, Green, White and Black connect at both ends as normal. The 5th wire should be run into the control box and connect to the contactor with the other 24 volt common wires. A piggyback terminal may be required.

Connect 5th wire here

