

Temperature Zero Pot Instruction

1. Purpose Of Instruction — Occasionally it is required to offset the heating and cooling setpoints so that hot and cold air will mix at a minimum flow level. The offset is accomplished by adjusting the TEMP ZERO pot of each logic (cold and hot) to the desired new setpoints.
2. Equipment Required
 - a. Simulator, P/N 207-TSA
 - b. Digital DC Voltmeter (DVM)
3. Procedure
 - a. Connect the simulator to the 200-3 controller as follows:
 - 1) Remove thermostat BLK lead from terminal #6.
Option: Remove thermostat Red and YEL leads.

- 2) Connect the simulator as follows:

Simulator	Logic Terminal
YEL	5
RED	4
BLK	6

- b. Adjust TEMP ZERO POT as follows:
 1. For the hot logic, set the simulator to +1°F above setpoint.
 2. Connect the DVM to terminals #4(-) and #8(+). Switch the scale to read 20V DC full scale.
 3. Apply 24V AC power.
 4. Adjust the TEMP ZERO POT to 11.1V DC \pm 0.1Vv.
 5. If the logic is for cold, set the simulator to -1°F below setpoint. Then repeat Steps 2 through 4.