

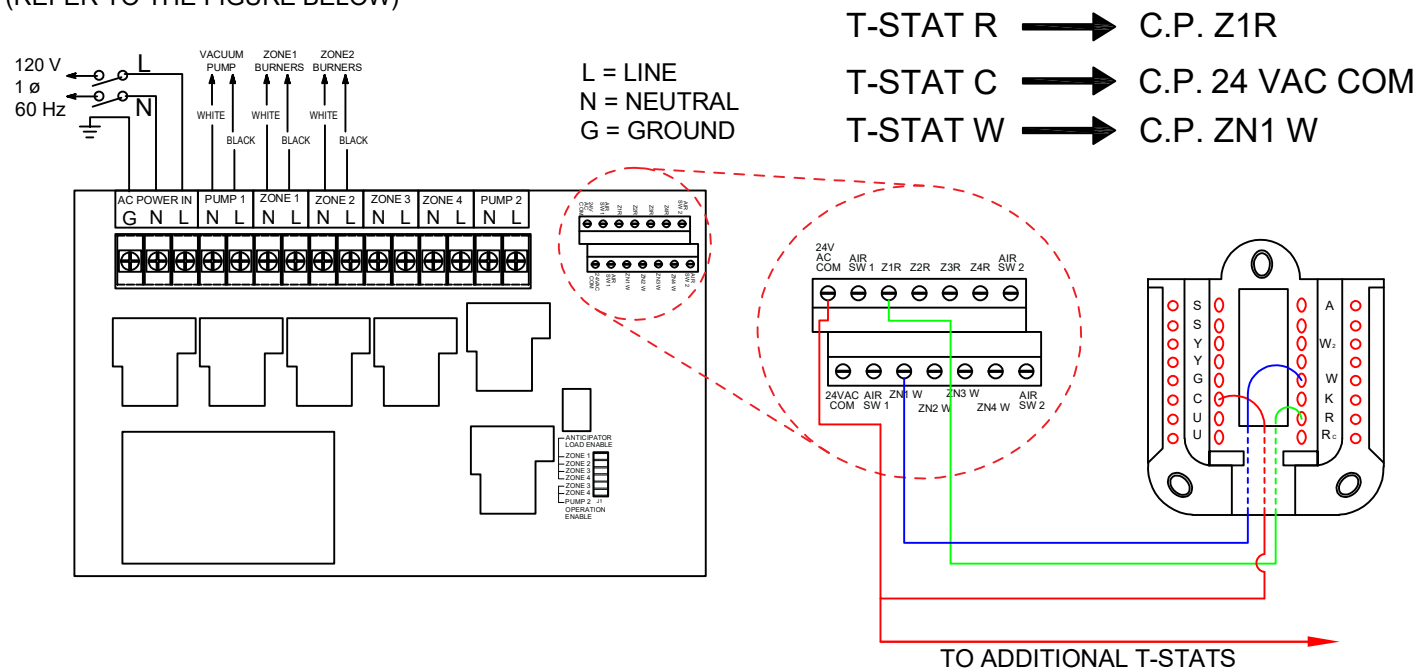
ESI WIRING GUIDE; POWERING T-STAT WITH CONTROL PANEL

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GENERAL NOTES

THIS GUIDE IS INTENDED TO BE USED WITH A TR1 NON PROGRAMMABLE THERMOSTAT (PN# ESI40220) AND SYSTEM CONTROL PANEL PN#02770002

STEP 1; WIRE THERMOSTAT TO CONTROL PANEL, THEN CONTROL PANEL TO POWER SUPPLY AND BURNERS (REFER TO THE FIGURE BELOW)



***NOTE:** SOME APPLICATIONS MAY CALL FOR ZONES TO OPERATE OFF A SINGLE THERMOSTAT. ZONES 1 AND 3 MAY SHARE A THERMOSTAT AND ZONES 2 AND 4 MAY SHARE A THERMOSTAT. AT NO TIME SHOULD EITHER ZONE 1 OR 3 BE CONNECTED TO ZONE 2 OR 4. DOING SO WILL RESULT IN DAMAGE TO THE CONTROL BOARD.

STEP 2; TEST VOLTAGE

ONCE POWER IS TURNED ON PLEASE WAIT UP TO **3 MINUTES** FOR THERMOSTAT TO ACTIVATE AFTER A CALL FOR HEAT. **PLEASE BE PATIENT!**

TEST FOR 120V GOING TO CONTROL PANEL FROM POWER SUPPLY.

TEST FOR 24 V BETWEEN THE CONTROL PANEL AND THE THERMOSTAT

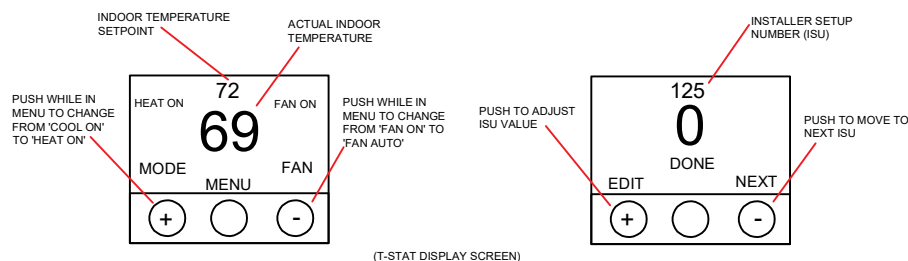
STEP 3; SET UP T-STAT

1. TURN ON. REMEMBER TO WAIT UP TO 3 MIN FOR EVERYTHING TO TURN ON.
2. PRESS MENU, MAKE SURE MODE IS SET TO 'HEAT ON' AND FAN IS SET TO 'FAN AUTO'.
3. HIT MENU TO EXIT OUT OF IT.
4. ADJUST THERMOSTAT TO DESIRED TEMPERATURE USING THE '+' AND '-' BUTTONS
NOTE; THE LARGER NUMBER BEING DISPLAYED IS YOUR CURRENT ROOM TEMP. WHILE THE SMALLER NUMBER ABOVE IS YOUR TEMP. SETPOINT
5. HOLD DOWN MENU BUTTON FOR 3 SECONDS, YOU SHOULD SEE THE TOP NUMBER CHANGE TO 125(INSTALLER SETUP OPTION NUMBER (ISU#)) ADJUST ISU#S AS SHOWN TO THE RIGHT, BY HITTING THE EDIT BUTTON, THEN NEXT TO MOVE TO NEXT ISU#, THEN HIT DONE. THESE ARE THE RECOMMENDED SETTINGS WE FIND WORK BEST.

*ANY QUESTIONS PLEASE CONTACT US AT 952-890-2966

*INSTALLER SETUP OPTIONS
DEFAULT ISU SETTING WORK FINE

- 125 - 0
- 200 - 1
- 205 - 2
- 218 - (NOT USED)
- 220 - 0
- 221 - 1
- 230 - (NOT USED)
- 430 - (NOT USED)
- 431 - 90
- 1400 - 0
- 1420 - 0



(T-STAT DISPLAY SCREEN)