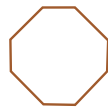


**18-32**

- A - TEC (-)
- B - TEC (+)
- C - TEC (+)
- D - Shield PT RTD (V-)
- E - Shield PT RTD (V+)
- F - Shield PT RTD (I+)
- G - Baseplate PT RTD (V+)
- H - Baseplate PT RTD (I+)
- J - 100Ω Heater (-)
- K - unused (externally wired only)
- L - unused (externally wired only)
- M - PD common anode
- N - PD cathode 2
- P - PD thermistor (-)
- R - PD thermistor (-)
- S - TEC (-)
- T - TEC (-)
- U - TEC (-)
- V - TEC (+)
- W - TEC (+)
- X - Shield PT RTD (I-)
- Y - Baseplate PT RTD (V-)
- Z - Baseplate PT RTD (I-)
- a - 100Ω Heater (+)
- b - PD cathode 3
- c - PD cathode 1
- d - PD thermistor (+)
- e - PD thermistor (+)
- f - Sample PT RTD (V+)
- g - Sample PT RTD (V-)
- h - Sample PT RTD (I-)
- j - Sample PT RTD (I+)

Corresponding Internal Quad Twist :  
 x - gold  
 x - black  
 x - green  
 x - red



**External cable 1**

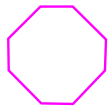
- A - TEC (-)
- U - TEC (-)
- T - TEC (-)
- S - TEC (-)

- C - TEC (+)
- B - TEC (+)
- W - TEC (+)
- V - TEC (+)

- e - PD thermistor (+)
- R - PD thermistor (-)
- d - PD thermistor (+)
- P - PD thermistor (-)

- c - PD cathode 1
- N - PD cathode 2
- b - PD cathode 3
- M - PD common anode

- K - unused
- L - unused



**External cable 2**

- G - Baseplate PT RTD (V+)
- Y - Baseplate PT RTD (V-)
- Z - Baseplate PT RTD (I-)
- H - Baseplate PT RTD (I+)

- D - Shield PT RTD (V-)
- E - Shield PT RTD (V+)
- X - Shield PT RTD (I-)
- F - Shield PT RTD (I+)

- g - Sample PT RTD (V-)
- f - Sample PT RTD (V+)
- h - Sample PT RTD (I-)
- j - Sample PT RTD (I+)

**CTC100 DSUB9:**

- 1 I<sub>1</sub>(+)
- 2 I<sub>1</sub>(-)
- 3 gnd
- 4 I<sub>2</sub>(+)
- 5 I<sub>2</sub>(-)
- 6 V<sub>1</sub>(+)
- 7 V<sub>1</sub>(-)
- 8 V<sub>2</sub>(+)
- 9 V<sub>2</sub>(-)



**Twisted pair**

- a - 100Ω Heater (+)
- J - 100Ω Heater (-)