

PT 100 Wiring



A PT100 is a positive resistance thermocouple. As the temperature increases the resistance of the thermal couple increases linearly. A resistance of 100 ohms is 32F or 0C. A resistance of 138.5 ohms is 212F or 100C.

Wiring.

There are three wires coming from the PT100. White goes to the positive connection on the controller. Red goes to the negative and the compensation inputs to the controller. If you only have two connections on your controller put both reds together into the negative connection. Having a three wire connection compensates for the length of the connection line.