Application Note for Systems with Thermocouple Temperature Sensors1/12/2021

When a system is configured to use a thermocouple as the primary or secondary temperature measuring device it must be noted that thermocouples can experience a feedback loop when grounded that cause erratic readings or damage the process controller.





WARNING: This type of connection must be isolated with silicone or an appropriate nonconductive material that will ensure that there is no electrical connection to ground.

NOTE: Use thermocouple devices that are packaged to electrically isolate the conductors and the junction.



INFORMATION: Sensor selections that will not cause the described ground loop feedback problem, see https://www.totaltemptech.com/thermal-platforms-coldplates-options-and-accessories/#Sensor-OpAcc

Please email or call the number below if further support is required.



TotalTemp Technologies, Inc.
Support@TotalTempTech.com
888.712.2228
www.totaltemptech.com
3630 Hancock St. A
San Diego, CA, 92110