

CISCO Water Bath Cooler Controller Update

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Low Temp Alarm Issue

- CiSCO provided a thermal switch to alarm when the Water Temperature is high
- Customers experienced incidences where the water bath controller allowed the temperature to drop below freezing, causing loss of sample flow
- Some complaints about the ease of inadvertently changing the temp setpoint with the analog/capillary temp measurement.

Johnson Controller is now PENN:

- PENN makes a digital controller.
Digital Readout with high and low setpoint alarms.
- High Temp and Low Temp Alarms can be wired in series
No software/PLC updates would be required if used this way.
- Analog output for temperature is available, but will cost extra, and would require PLC updates.

Digital Temperature Controller:



Temperature Sensor

- The temperature sensor is an RTD protected inside a Stainless Steel Thermowell.
 - The unit will be wired into new coolers that use this controller
 - The alarm wires from the device will be provided to use the same connector to the PLC at existing sites.
 - No need for Thermometer or thermal switch.

Questions and General Discussion