*Voltage Proportional to Measured Temperature*

*Temperature Output*

*Voltage Difference b/w ‘Knob Voltage’ and Thermocouple*

Summing Junction

*Voltage Proportional to Knob Position*

*Knob Angular Position*

Newtonian Cooling Calculations

Heating/ Cooling Units

Thermocouple

Thermostat (Setting)

Input Transducer

Sensor

Controller

Plant

