

Figure 4.6 Multistage temperature controller with remote (space) sensor and setpoint adjustment, controlling a four-stage electric duct heater.

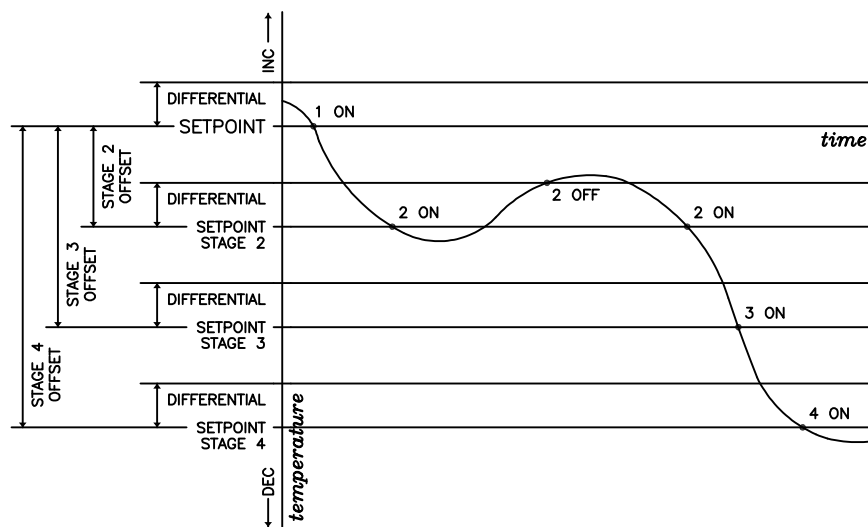


Figure 4.7 Graph illustrating a multistage (heating) temperature control process. At time $t=0$, no stages are on and the temperature is falling. Stage 1 setpoint is reached, yet the temperature continues to fall. Stage 2 setpoint is reached, and the temperature begins an upswing, through the differential of stage 2. The temperature begins another downswing, and due to an increased load, falls through stage 2, 3, and 4 setpoints.