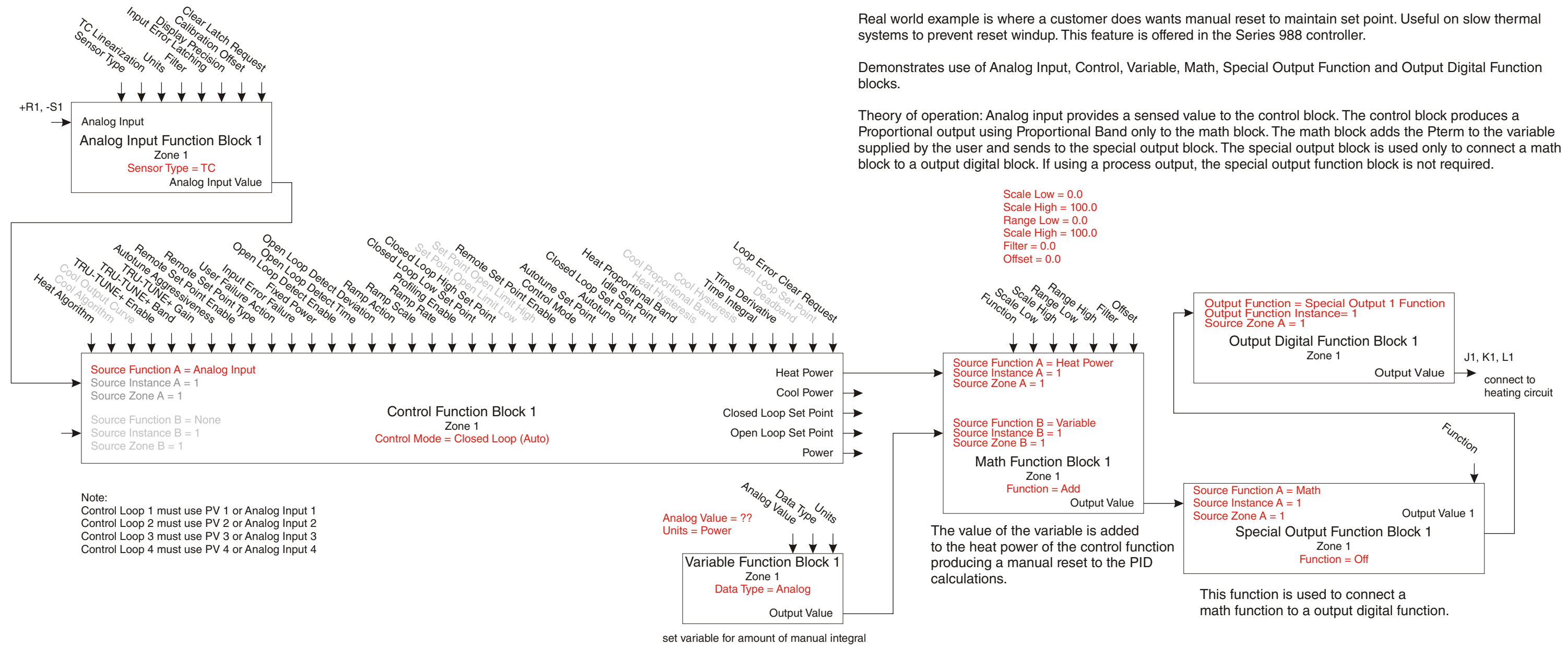


Typical manual reset with PD diagram - 1 of 2



Example 42 - Performing Heat PID control without remote set point using manual Integral/Reset of control power output.

Real world example is where a customer does wants manual reset to maintain set point. Useful on slow thermal systems to prevent reset windup. This feature is offered in the Series 988 controller.

Demonstrates use of Analog Input, Control, Variable, Math, Special Output Function and Output Digital Function blocks.

Theory of operation: Analog input provides a sensed value to the control block. The control block produces a Proportional output using Proportional Band only to the math block. The math block adds the Pterm to the variable supplied by the user and sends to the special output block. The special output block is used only to connect a math block to a output digital block. If using a process output, the special output function block is not required.

