

Heat Algorithm = PID  
 Cool Algorithm = PID  
 TRU-TUNE+ Enable = No  
 Remote Set Point Enable = No  
 Ramp Action = Off  
 Closed Loop Low Set Point = 65 F  
 Closed Loop High Set Point = 85 F  
 Set Point Open Limit Low = -100 %  
 Set Point Open Limit High = 100 %

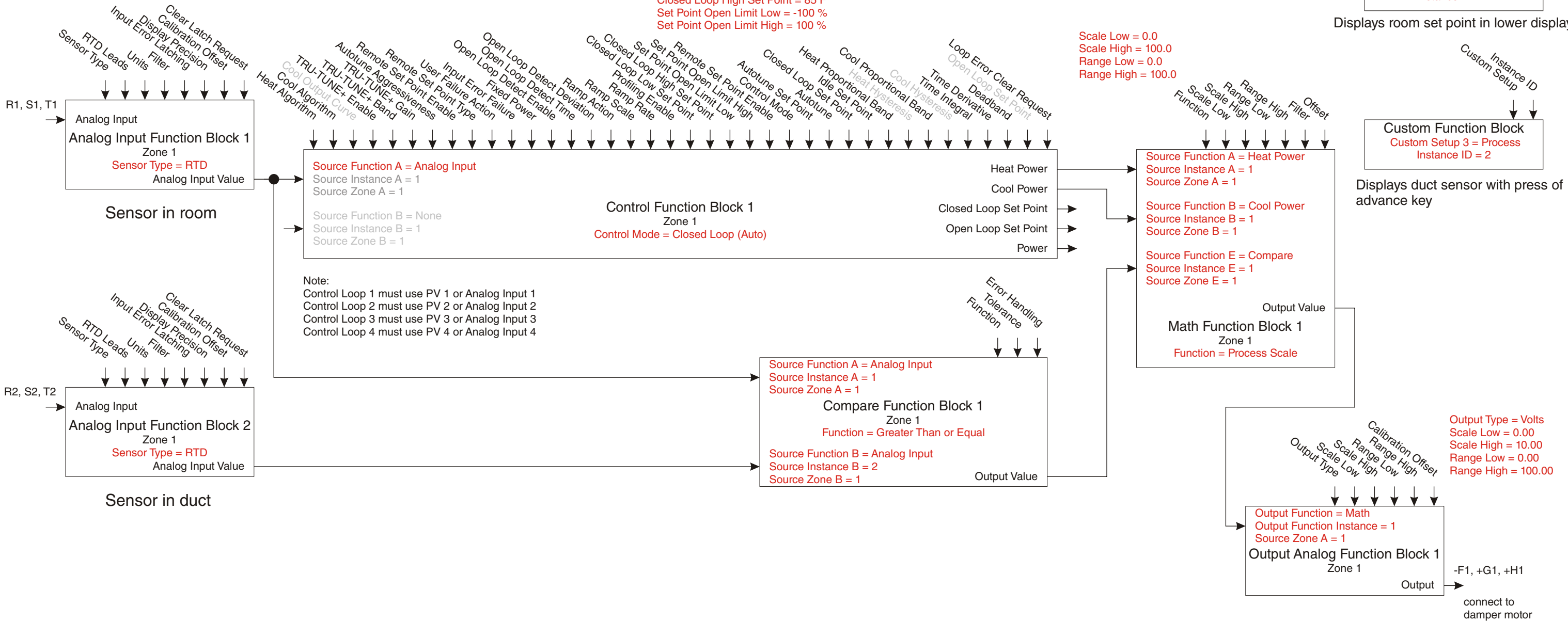
# HVAC room control diagram

Example 45 - Using function blocks to switch one output between heat and cool power.

Real world example is where a customer wants to control room temperature with one output where the duct temperature is warm in winter and cool in summer.

Demonstrates use of Analog Input, Control, Compare, Math and Output Analog Function blocks.

Theory of operation - When room temperature is greater than or equal to duct temperature, use cool control output and disable heat control output. When room temperature is less than duct temperature, use heat control output and disable cool control output.



EZ-ZONE RM Application Example - using function blocks  
 Print on 11" x 17" landscape paper for best viewing

User parameter settings in RED  
 Revision C