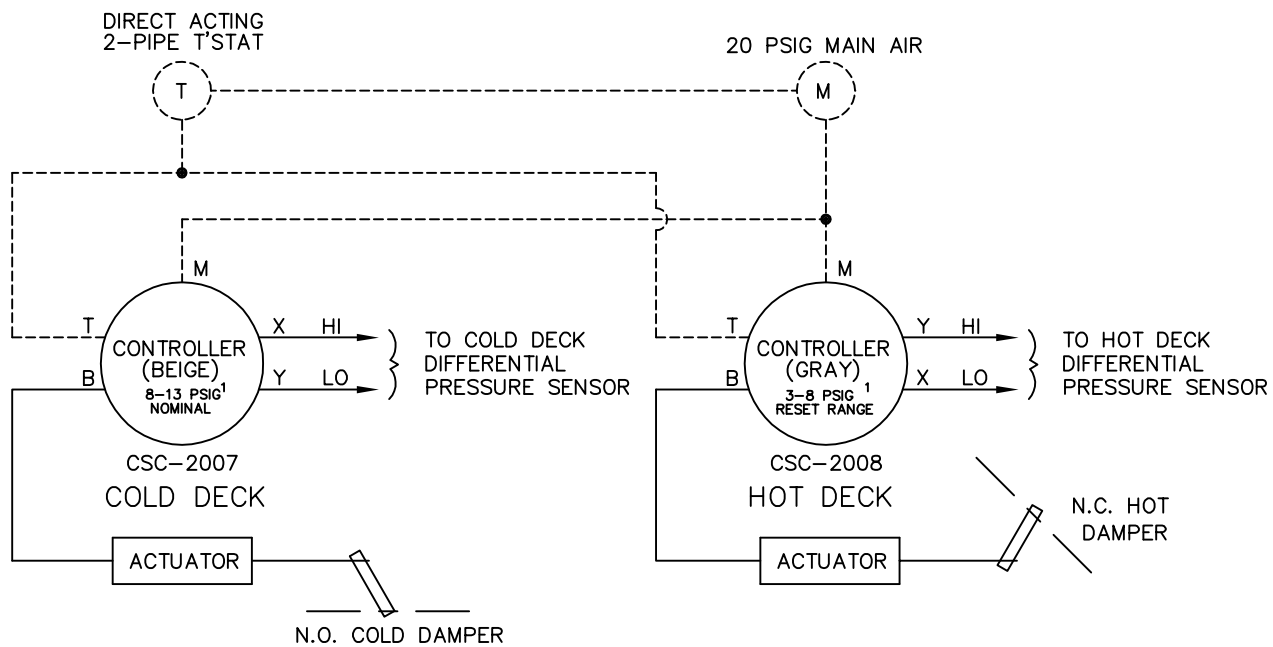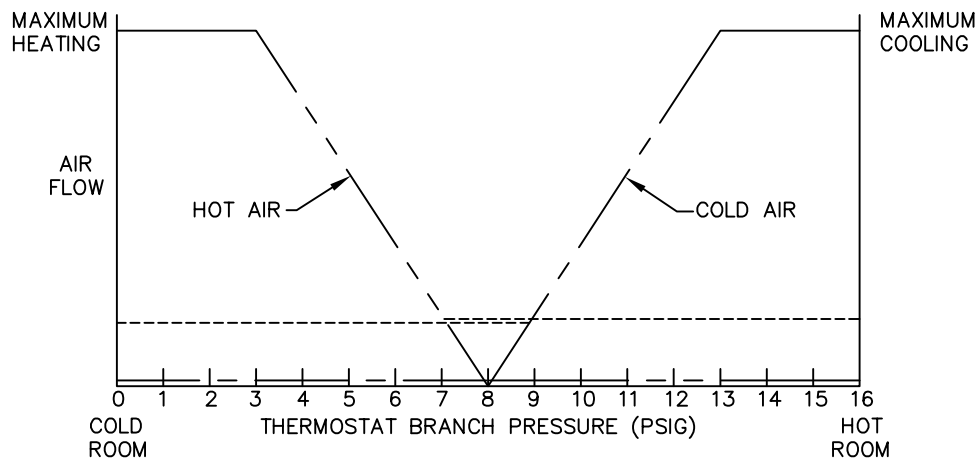A direct acting, two—pipe thermostat is required. The cold air damper is normally open and the hot air damper is normally closed. with a warm space temperature, the cold air damper is controlling at the maximum cooling air flow set—point and the hot air damper is closed. As the space temperature drops, the cold air damper modulates to shut off and then the hot air damper begins to open. If the space temperature continues to drop, the hot air damper opens to the maximum heating air flow set—point.

DIRECT ACTING
2—PIPE T'STAT

20 PSIG MAIN AIR

CONTROLLER (BEIGE) 8—13 PSIG[1] NOMINAL

X HI
Y LO

TO COLD DECK DIFFERENTIAL PRESSURE SENSOR

CSC—2007
COLD DECK

ACTUATOR

N.O. COLD DAMPER

CONTROLLER (GRAY) 3—8 PSIG [1] RESET RANGE

Y HI
X LO

TO HOT DECK DIFFERENTIAL PRESSURE SENSOR

CSC—2008
HOT DECK

ACTUATOR

N.C. HOT DAMPER

[1] CONTROLLER REQUIRES FIELD CALIBRATION AND SET UP UNLESS OTHERWISE SPECIFIED. CONTROLLER RESET RANGE WILL VARY WITH AIR FLOW LIMITS.

[2] DEADBAND IS FIXED AS SHOWN IN GRAPH ABOVE.

——— FACTORY PIPING   ------ FIELD PIPING

PNEUMATIC AIR CONSUMPTION 1.0 SCFH

	TITLE:	DRN BY:	DATE:	DRAWING NO.
Johnson Controls	**DD410R** PRESSURE INDEPENDENT PNEUMATIC CONTROLS	WDD	03/28/02	21877
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