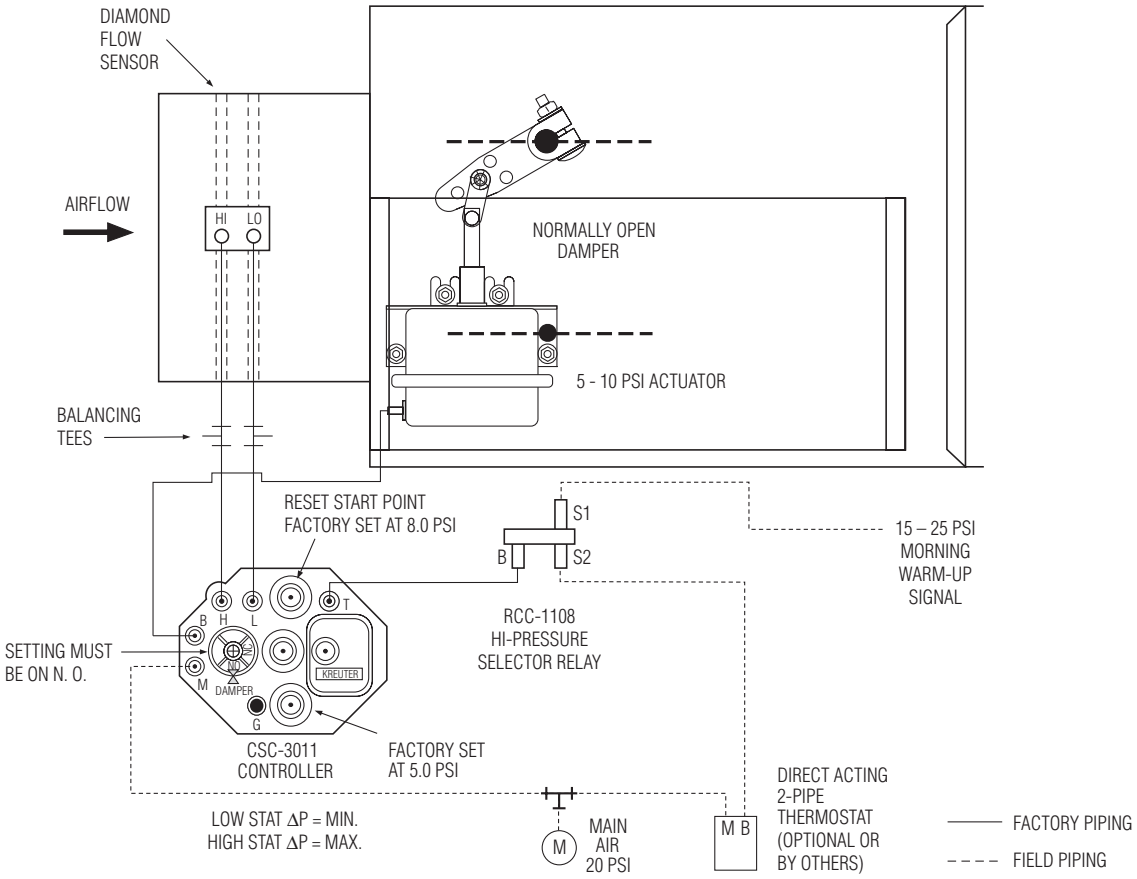
PNEUMATIC CONTROLS
SINGLE DUCT VAV TERMINAL UNIT
MODEL: 3001
CONTROL SEQUENCE: 1P3 + Q1



COOLING ONLY WITH MORNING WARM-UP • DIRECT ACTING, NORMALLY OPEN • VARIABLE AIR VOLUME • PRESSURE INDEPENDENT

Sequence of Operation:

1. When main control air is off, damper is fully open.
2. Main control air on - controller is activated. Begins modulating cold airflow on thermostat demand.
3. Increase in room temperature increases thermostat output pressure (thus increasing airflow).
4. Minimum airflow is maintained between 0 and 8 psi thermostat signal.
5. Further increase in room temperature will increase thermostat signal from 8 to 13 psi which will increase airflow. At 13 psi and above, preset maximum airflow is maintained.
6. If main control air fails, damper fails open.

Morning Warm-up Mode

7. A 15 – 25 PSI morning warm-up signal when applied to the high pressure selector relay will override the thermostat and increase airflow to the preset maximum.

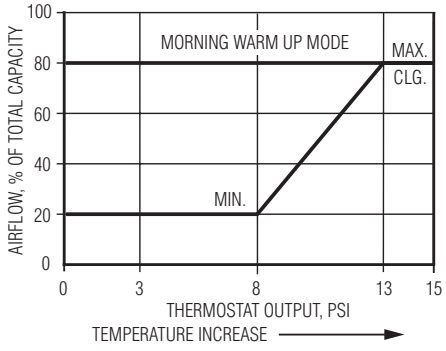
Options:

Two Pipe Thermostat (Vertical Mount. Includes backing plate for 2" x 4" electrical box).

- ❑ CTC-1621-103 °F scale plate
- ❑ CTC-1621-113 °C scale plate

VAV COOLING

DIRECT ACTING THERMOSTAT, NORMALLY OPEN DAMPER



SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	**DATE**	**B SERIES**	**SUPERSEDES**	**DRAWING NO.**
CONTRACTOR:	**7 - 23 - 00R**	**3000**	**NEW**	**3000CD-1P3Q1**

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