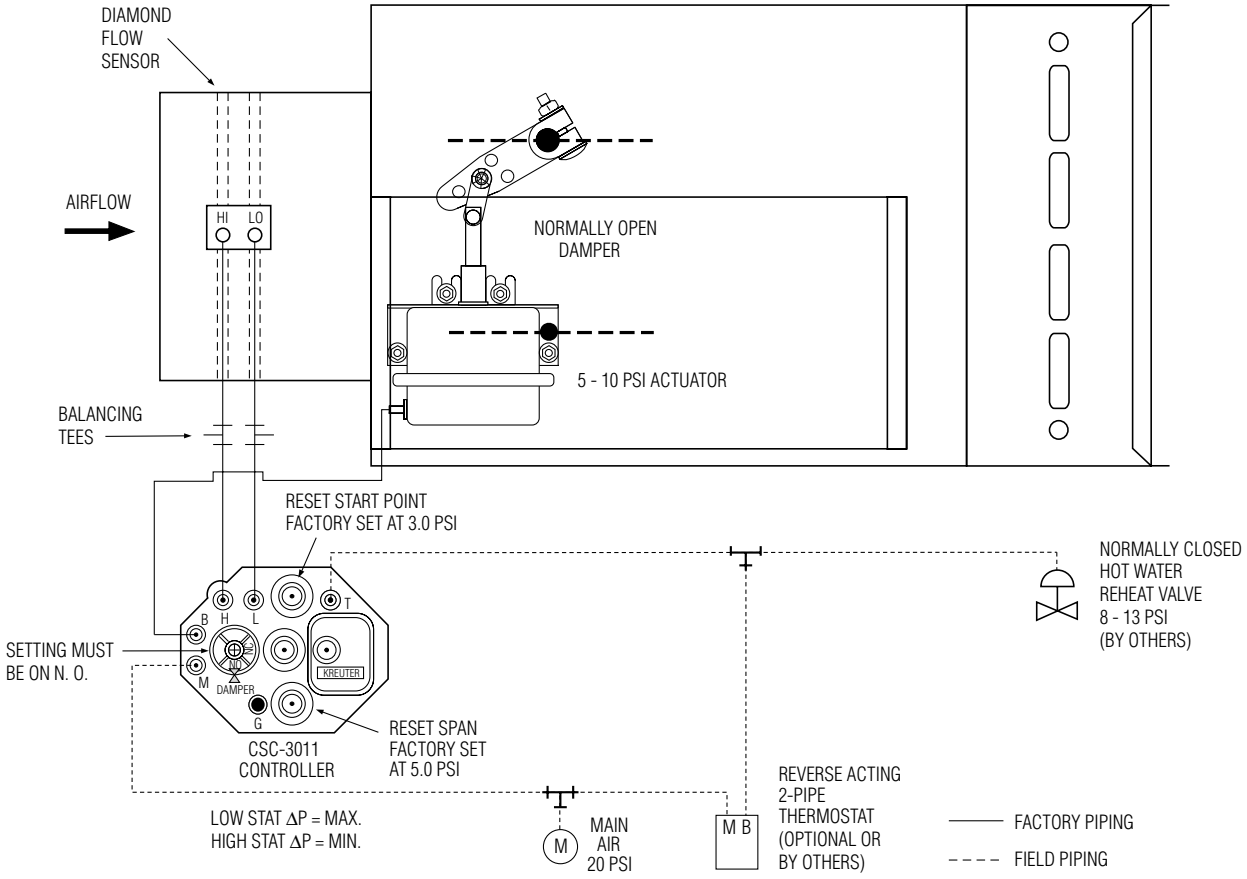
PNEUMATIC CONTROLS
SINGLE DUCT VAV TERMINAL UNIT
MODEL: 30RW
CONTROL SEQUENCE: 2P3 (CSC-3011)



COOLING WITH HOT WATER REHEAT • REVERSE ACTING, NORMALLY OPEN • VARIABLE AIR VOLUME • PRESSURE INDEPENDENT

Sequence of Operation:

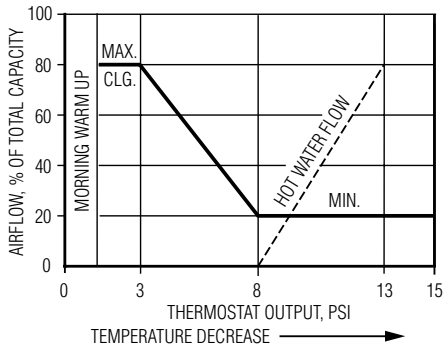
1. When main control air is off, damper is fully open and hot water valve is fully closed. Morning warm-up setting (if required) with warm air from the system supplied at full flow rate.
2. Main control air on - controller is activated. Begins modulating cold airflow according to thermostat output.
3. Decrease in room temperature increases thermostat output pressure (thus decreasing airflow).
4. Maximum airflow is maintained between 0 and 3 psi thermostat signal.
5. Further decrease in room temperature will increase thermostat signal from 3 to 8 psi which will decrease airflow to room. At 8 psi and above, minimum airflow is maintained.
6. A further decrease in room temperature will modulate the hot water valve towards the open position (at 13 psi).
7. If main control air fails, damper fails open and hot water valve fails closed.

Options:

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

- ❑ CTC-1622-103 °F scale plate
- ❑ CTC-1622-113 °C scale plate

VAV COOLING, HOT WATER REHEAT
REVERSE ACTING THERMOSTAT, NORMALLY OPEN DAMPER



SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	**DATE**	**B SERIES**	**SUPERSEDES**	**DRAWING NO.**
CONTRACTOR:	**19 - 4 - 01**	**3000**	**20 - 9 - 00**	**30RWCD-2P3**