

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

Sequence of Operation:

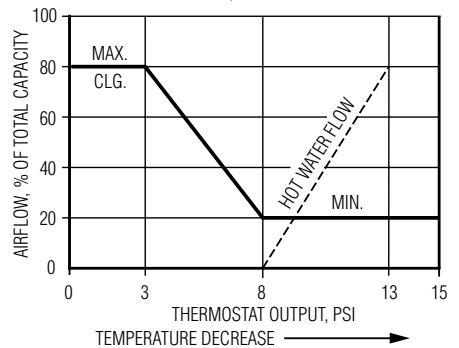
1. When main control air is off, damper and hot water valve are closed.
2. Main control air on - controller is activated. Begins modulating cold airflow according to thermostat demand.
3. Decrease in room temperature increases thermostat output pressure (thus decreasing airflow).
4. Maximum airflow is maintained between 0 and 3 psi thermostat signal.
5. Further decrease in room temperature will increase thermostat output pressure 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 closed 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 CLOSED DAMPER



SCHEDULE TYPE:			
PROJECT:			
ENGINEER:			
CONTRACTOR:			
DATE	B SERIES	SUPERSEDES	DRAWING NO.
10 - 18 - 07	3000	19 - 4 - 01	30RWCD-4P3