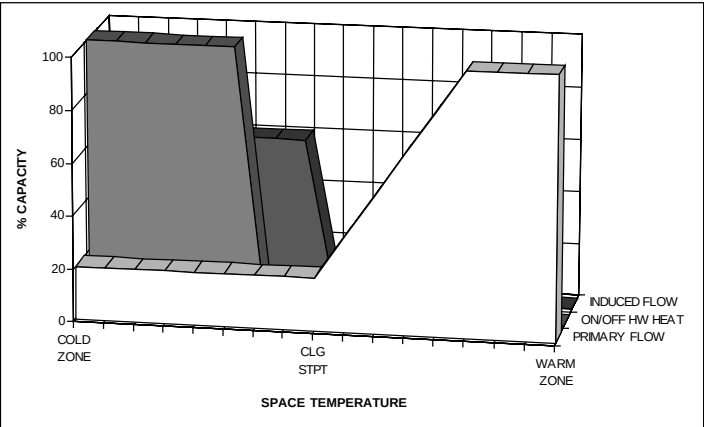




VARIABLE VOLUME FAN POWERED TERMINAL UNIT ANALOG CONTROL SEQUENCE 2304

Cooling With Sequenced Fan On/Off Hot Water Heat And Automatic Night Shutdown

2304 — User defined primary air flow setpoints are maintained regardless of central system pressure. The terminal fan runs intermittently, during a requirement for heat. Minimum and Maximum primary air flow setpoints are adjusted at the room thermostat as opposed to the terminal controller, with a digital voltmeter (DVM). The thermostat output for minimum and maximum air flow setpoints range from 0-10vdc (0-3300 fpm).

Under load for cooling, primary air flow is at maximum when the occupied space is 2°F above the user defined tempera-

ture setpoint. Primary air flow is reduced to the minimum air flow setpoint in proportion to space temperature approaching space temperature setpoint.

Under a load for heating, the terminal fan is energized. The terminal fan start point is field adjustable with reference to space temperature offset from space temperature setpoint. A field supplied on/off hot water valve will be energized at .7°F below the user defined temperature setpoint. In order to apply a normally open hot water valve a field supplied reversing relay must be applied to the circuit. The normally closed hot water valve should not exceed 10 va at 24 vac.

Unoccupied mode is in effect when the central air handling station serving primary air to the terminal, shuts down. Upon a signal loss of primary air at the terminals inlet probe, an air flow switch automatically shuts down the terminal unit fan.

