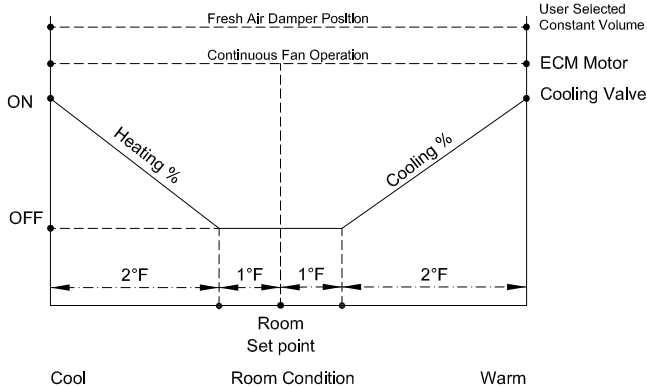


LEGEND

—————	FACTORY ELECTRICAL WIRING
- - - - -	FIELD ELECTRICAL WIRING

CONTROL GRAPH - OCCUPIED MODE



Sequence of Operation -- Constant Volume with Fresh Air Damper, Modulating Cooling Valve, Analog SCR Reheat

On power up the damper will calibrate closed for 2 minutes.

Occupied Mode:

(Occupied mode shall be triggered by Motion sensor, Contact Closure or BACnet variable within the PIC controller)
During occupied mode, the controller shall enable the fan to run at a preset constant volume airflow, and the fresh air damper shall open to its user selected constant volume setting to satisfy the minimum ventilation requirement.

Modulating Cooling Valve Operation (0-10 vdc):

On an increase in space temperature into the cooling proportional band, the controller shall send a signal to modulate the cooling valve open to meet the space temperature setpoint. Fresh air and fan flow remain constant.

Analog SCR Reheat Operation (0-10 vdc):

On an decrease in space temperature into the heating proportional band, the controller will modulate the 0-10 VDC output to increase the heat proportionally to the room demand. Fresh air and fan flow remain constant.

Dead Band:

With no heating or cooling demand in the space, the water valve remains closed. Fan flow remains at constant speed, and the fresh air damper remains at its constant volume setting.

Unoccupied Mode:

Heating or Cooling will be enabled if the space temperature reaches the night heating or cooling proportional bands, and the fan will be energize. The fresh air damper remains closed at this time.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:

PRICE[®]

BC SF

FDCLP2-DOAS
CONSTANT VOLUME
MODULATING COOLING VALVE
ANALOG SCR HEATING
NON-CONDENSING APPLICATION

261358

2019/09/11