



DCN7 - FAN COILS WITH 7-DAY PROGRAMMABLE THERMOSTAT AND 2 STAGE HEAT

Cooling Operation:

On a call for cooling, the chilled water valve will begin to modulate open. As the cooling demand increases, the valve will continue to open until the discharge air temperature reaches 52° F. On continued call for cooling, the fan will begin to modulate toward the maximum cooling fan airflow as the chilled water valve continues to modulate open maintaining 52° F discharge air temperature. This process will continue until the fan reaches the cooling maximum airflow.

Dead Band Operation:

With no demand in the space, there will be no call for heating or cooling. The fan will be at minimum airflow. The chilled water valve will be off. The hot water valve or the electric heater relay will be off.

Heating Operation:

On a call for heating, the fan shall begin to modulate from the minimum airflow toward the maximum heating airflow. On continued call for heating, when the fan reaches the first stage heating air flow, the first stage heat will be activated. The second stage heating will be activated when maximum heating airflow is reached.

Day of Week:

OFF In this mode there is no setback and room temperature control is by a PID routine.

OPTION 1 Setback M-F only during the scheduled time period.

OPTION 2 Setback continuous everyday.

OPTION 3 Setback M-F during scheduled time period and continuous during the weekend.

During setback the integral action is disabled and the room temperature must exceed the dead band before any heating or cooling will take place. The dead band is adjustable up to 20 °F (+/- 10 °F from set point) though a PC interface.

Options and Accessories:

Thermostat Display:

- °F or °C
- 24 VAC Control transformer
- 25 Feet Cable
- 50 Feet Standard Cable
- Humidifier Enable
- Special features: _____

Part Lists:

Controller: DCN/DCN7

- H1-1795** 4 input & 4 output BACnet controller with clock
- H1-1730** NetSensor temperature
- H1-1756** Wall mounting plate for KMD-1161
- H1-1404** Coil discharge temperature sensor
- H1-1762** 50' network cable

SCHEDULE TYPE		Dimensions are in inches (mm).			
PROJECT					
ENGINEER	DATE	B SERIES	SUPERSEDES	DRAWING NO.	
CONTRACTOR	6 - 07 - 06	FCS	5 - 25 - 06	FCS-DCN7	