



ROOM TEMPERATURE INCREASE →
Perimeter baseboard heat is enabled when outside air temperature is below 55°F

D7R - FAN COILS WITH 7 DAY PROGRAMMABLE THERMOSTAT, REMOTE HEAT SETPOINT SENSORS AND HUMIDIFIER OPTIONS.

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 a 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 unit fan shall begin to modulate from the minimum airflow toward the maximum heating airflow. At maximum heating airflow the interior heating will be activated.

Remote Heat:

The remote heat shall be enabled if there is a call for heat in the perimeter zone and the outside air temperature is below 55 degrees Fahrenheit. Adjustable set point temperature sensors will be used to modulate heating in up to 3 remote zones.

Humidifier:

On call for cooling, the humidifier is disabled. The humidifier is enabled when RH is below set point and system is in heating or dead band operation.

Day of Week:

Setback Options

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) through a PC interface.

Baseboard heat zones each have their own set point and are setback the same amount as the fan coil unit.

Options and Accessories:

Thermostat Display:

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

SCHEDULE TYPE		Dimensions are in inches (mm).			
PROJECT					
ENGINEER	DATE	B SERIES	SUPERSEDES	DRAWING NO.	
CONTRACTOR	1 - 24 - 06	FCS	NEW	FCS-D7R	