



### ACN - FAN COILS WITH 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 (11°C). 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 (11°C) LAT. This process will continue until the fan reaches the cooling maximum airflow.

#### Heating Operation:

When the unit has a call for heat, the fan will ramp up the fan heating setting and the first stage of heat will be energized. This may be either an on/off hot water valve or a stage of electric heat. Units with electric heat have an optional second stage available. The fan may also be set to operate at a second higher heating airflow setting. In the case of single stage heating, it can be energized at either output. On a decrease in heating demand, the sequence will reverse.

#### Off Unoccupied Mode:

The fan coil unit will be off. The heating set point will default to 50°F (10°C).

#### Deadband Unoccupied Mode:

In the unoccupied mode the fan will run at the preset minimum fan set point. The room temperature set point will default to 70°F (21°C), the heating set point will default to 60°F (16°C) and the cooling set point will default to 80°F (27°C).

SCHEDULE TYPE

PROJECT

ENGINEER

CONTRACTOR

Dimensions are in inches (mm).

DATE

B SERIES

SUPERSEDES

DRAWING NO.

5 - 16 - 07

FCS

9 - 12 - 06

FCS-ACN