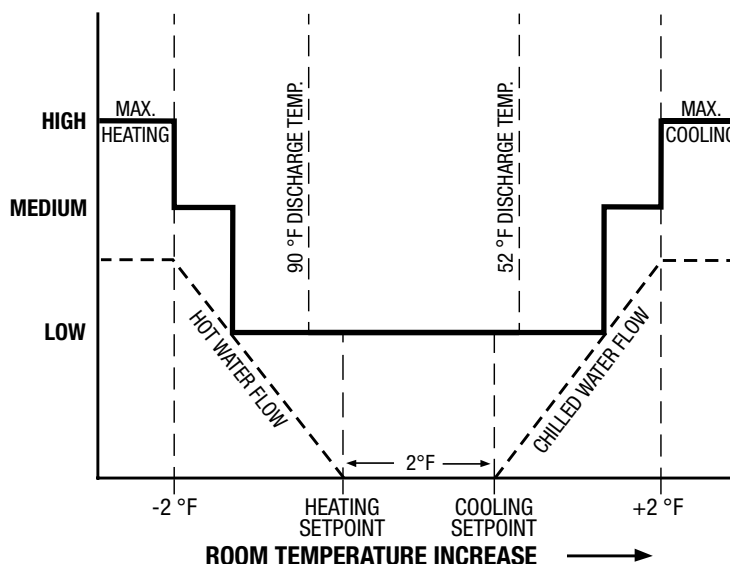




**EZSTAT DIGITAL CONTROLS**  
FAN COIL UNITS WITH 3-SPEED ECM AND  
3-SPEED PSC MOTOR  
**MODEL SERIES: 35FH, 39, 40H AND 41V (TYPE ZW)**  
**CONTROL SEQUENCE: N547 (4-PIPE)**



**N547 BACnet DIGITAL THERMOSTAT 7-DAY PROGRAMMABLE SCHEDULE**  
**3-SPEED FAN, MODULATING COOLING/HEATING • 4-PIPE SYSTEM**

**Discharge Air Temperature**

The Discharge Air Temperature sensor (DAT) provides the controller with the coil leaving air temperature (LAT). This is used to control the modulating valve, to achieve the pre-set, but adjustable, discharge temperatures. On cooling, this controls humidity while on heating it controls occupant comfort.

**SEQUENCE OF OPERATION:**

**Modulating Cooling**

On a call for cooling, the chilled water valve will begin to modulate open. The valve will continue to open until the discharge air temperature reaches 52°F (11°C). Simultaneously, the fan will step through low, medium, and high speed to achieve room set point. Upon a decrease in cooling demand, the sequence will reverse.

**Deadband**

With no demand in the space, there will be no call for heating or cooling. The fan will be at low speed. The chilled and hot water valve will be off.

**Modulating Heating**

On a call for heating, the hot water valve will begin to modulate open. The valve will continue to open until the discharge air temperature reaches 90°F (32°C). Simultaneously, the fan will step through low, medium, and high speed to achieve room set point. Upon a decrease in heating demand, the sequence will reverse.

**Notes:**

1. EZstat is factory programmed for the specific sequence of operation.
2. Remote mounted 24 VAC thermostat is field wired (by others). Refer to application specific wiring diagram.
3. Thermostats baseplate mounts to a standard 2" (51) x 4" (102) vertical handy box.



**SCHEDULE TYPE:**

**PROJECT:**

**ENGINEER:**

**CONTRACTOR:**

Dimension are in inches (mm).

**DATE**

**B SERIES**

**SUPERSEDES**

**DRAWING NO.**

7 - 10 - 25

FCS

11 - 30 - 17

FCS-N547