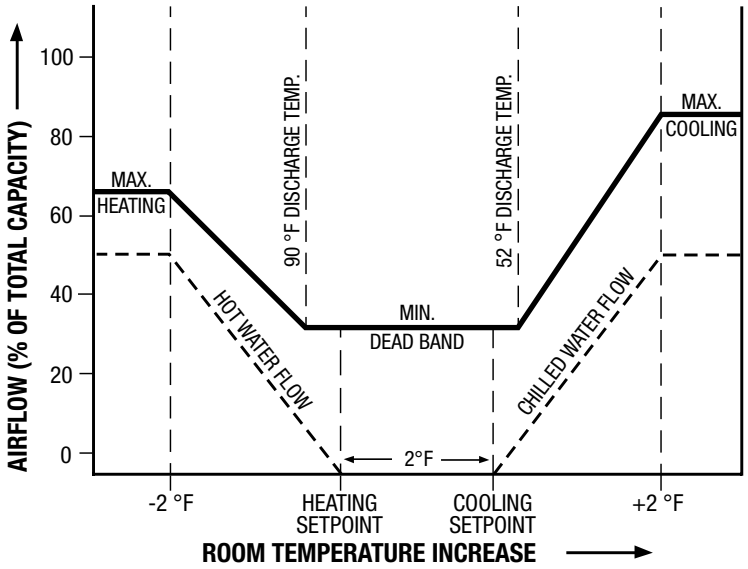
EZSTAT DIGITAL CONTROLS
FAN COIL UNITS WITH EPIC ECM
MODEL SERIES: 35FH, 37FH AND 39 (TYPE ZW)
CONTROL SEQUENCE: N505 (4-PIPE)



N505 BACnet DIGITAL THERMOSTAT 7-DAY PROGRAMMABLE SCHEDULE
VARIABLE AIR VOLUME, 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 modulate from minimum airflow to maximum airflow 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 a deadband set minimum airflow. 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 modulate from minimum airflow to maximum airflow 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. EZstat is also factory calibrated when airflow settings are provided for easy start-up.
3. Field commissioning (password protected):
   a. Max. and Min. airflow settings are field adjustable between the ranges on the unit's ECM fan curve calibration chart.
   b. Deadband differential and other parameters are also adjustable.
   c. Refer to EZstat Application Guide/IOM.
4. Remote mounted 24 VAC thermostat is field wired (by others). Refer to application specific wiring diagram.
5. Thermostats baseplate mounts to a standard 2" (51) x 4" (102) vertical handy box.

SCHEDULE TYPE:	Dimension are in inches (mm).			
PROJECT:				
ENGINEER:	**DATE**	**B SERIES**	**SUPERSEDES**	**DRAWING NO.**
CONTRACTOR:	**9 - 23 - 14**	**FCS**	**NEW**	**FCS-N505**