



**N508 BACnet DIGITAL THERMOSTAT 7-DAY PROGRAMMABLE SCHEDULE
VARIABLE AIR VOLUME, PROPORTIONAL ELECTRIC HEAT**

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 proportional heat to achieve a preset, but adjustable, discharge temperature. On heating it controls occupant comfort.

SEQUENCE OF OPERATION:

Proportional Electric Heat

On a call for heat, the SCR controlled electric heater will proportionally increase the heat output to maintain a discharge air temperature of 90°F (32°C). Simultaneously, the fan will modulate from minimum airflow to maximum airflow in response to room demand. Upon a decrease in heating demand, the sequence will reverse.

Deadband

With no demand in the space, there will be no call for heating. The fan will be at a deadband set minimum airflow. The electric heat relay will be off.

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:

PROJECT:

ENGINEER:

CONTRACTOR:

Dimension are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
10 - 18 - 17	FCS	10 - 9 - 14	FCS-N508-1