



### N509 BACnet DIGITAL THERMOSTAT 7-DAY PROGRAMMABLE SCHEDULE

#### VARIABLE AIR VOLUME, STAGED ELECTRIC HEAT

#### SEQUENCE OF OPERATION:

##### Staged Electric Heat

On a call for heating, the fan will step up to the stage 1 fan heating setting and the first stage of electric heat will be energized to achieve room set point. Units with electric heat may have an optional second stage available. On a continued call for heating, the fan will step up to the stage 2 fan heating setting and the second stage of heat will be energized to achieve room set point. On 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.
9 - 23 - 14	FCS	NEW	FCS-N509-1