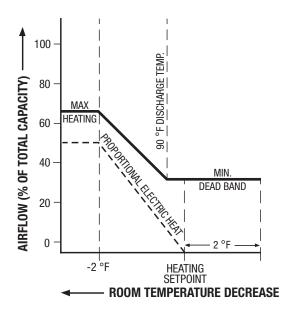


# EZSTAT DIGITAL CONTROLS

FAN COIL UNITS WITH EPIC ECM

**MODEL SERIES: 35FH AND 37FH (TYPE E)** 

**CONTROL SEQUENCE: N508** 



# 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 minumum 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):
  - 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:	10 - 18 - 17	FCS	10 - 9 - 14	FCS-N508-1