

BACnet Thermostat – Fan Coil with Energy Monitoring



FEATURES

- Energy Management System ready with BACnet communications
- Energy Monitoring for tenant billing
- Internal Sensor controls 3 speed fan, heating & cooling outputs
- Setpoints are Limited to internal settings (adjustable)
- Easy installation and operation
- Stand-alone operation
- Operates Fan Coil Units, Reheat Coils, Underfloor VAV zones etc.

SPECIFICATIONS

Model	EXL-01623
Fan Speeds	3
Cooling Outputs	1
Heating Outputs	1
Input Voltage	12-24 V AC/DC
Input Power	5 VA
Output Load Max	1.0 Amps
Relay Output	24 VAC/DC
Analog Output	0-10 VDC
Comm. Line	BACnet MS/TP

PART NUMBER:

EXL-01623

BACnet Fan Coil Thermostat with Energy Monitoring

Description:

This BACnet thermostat operates any heating or cooling application with up to a 3 speed fan (12-24 V AC/DC). There are two analog outputs (0-10 VDC) and two relay outputs (12-24V AC/DC) for heating and cooling. Setpoints are adjustable from the BACnet interface. Space temperature setpoints are internally limited by a minimum and maximum setting (adjustable). The thermostat may be placed in the occupied or unoccupied mode. Space temperature is displayed under normal operation. The digital display indicates the current operating mode, energy demand and energy total and outside air temperature (if provided via the BACnet interface).

The unoccupied mode may be overridden by an occupant adjustment up to the maximum allowed hours (adjustable). A manual timer allows from 0.1 to 99.9 hours of occupied operation and then returns to the unoccupied mode.

The supply temperature and supply air volume are monitored to calculate the heating BTU and cooling BTU demand. The heating demand and cooling demand is totalized in the heating MBH and cooling MBH BACnet points

The fan command status is used to generate the fan kW demand (requires setting BACnet point for each fan speed kW). The fan kW demand and supply voltage (requires setting the BACnet point for fan supply voltage) is used to generate the totalized kWh BACnet point.

Heating and cooling is limited to maintain the discharge air temperature at no less than 50°F and no greater than 125°F discharge air.

Night Setback stages or modulates the heating or cooling when the room temperature is below 60°F or greater than 85°F and continues operation until the setpoint is exceeded by 5°F.

When ordering quantities greater than 30 customized setpoints and additional sequences are available at additional cost, please request a quote for your application.

Relay isolation allows for independent power supply on controlled equipment.



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