

BACnet Thermostat – 2 Stage Heat\Cool, Modulating



SPECIFICATIONS

Model	EXL-01610
Fan Speeds	1
Cooling Outputs	2 digital 1 modulating
Heating Outputs	2 digital 1 modulating
Input Voltage	12-24 V AC/DC
Input Power	5 VA
Output Load Max	1.0 Amps
Digital Outputs	Relay - 24 VAC/DC
Analog Outputs	0-10 VDC
Comm. Line	BACnet MS/TP

PART NUMBER:

EXL-01610 [Options]

Options

**RA, DA, RN, MO, ME
TC, MV**

FEATURES

- Energy Management System ready with BACnet communications
- Internal Sensor controls 2 stage Heatpump or AC style units
- Setpoints are Limited to internal settings (adjustable)
- Hotel mode senses room occupancy for scheduling the vacant period
- Provisions for one internal and two external motion sensors
- Operates stand alone and is easy to install and operate
- Operates Roof Top Units, Heat Pumps, Fan Coil Units, Furnaces, Exhaust Fans, Reheat Coils, and other heating and cooling applications
- Internal, Remote, or a Network transferred temperature sensor can be used for control

BACnet Thermostat

Description:

This BACnet thermostat operates heating or cooling applications for Heatpumps (Compressor / Reversing) or Air Conditioning (Heat / Cool) modes. All Setpoints are adjustable from the BACnet interface. Space temperature setpoints are internally limited by a minimum and maximum setting (adjustable). Space temperature is displayed under normal operation. The digital display indicates the current operating mode, fan status, heating/cooling status, 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 up to 99 hours).

Heating and cooling stages are limited to maintain the discharge air temperature at no less than 50°F and no greater than 125°F, with the optional discharge air sensor.

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.

Options:

- RA Monitors Return Air Temperature for Troubleshooting.
- DA Monitors Discharge Air Temperature for Troubleshooting.
- RN Remote Sensor - Allows the controller to be located in a secure room and the Room Sensor to be in an exterior zone.
- MO Internal Motion Sensor.
- ME External Motion Sensor (two are necessary for the Hotel Mode).
- TC Time Clock - Provides an occupancy schedule.
- MV PWM Valve Modulation (Honeywell MV100, Siemens 247 series).



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