

# BACnet Thermostat – 2 Stage Heat, 2 Stage Cool



## FEATURES

- Energy Management System ready with BACnet communications
- Internal Sensor controls 2 heating and 2 cooling stages
- Setpoints are Limited to internal settings (adjustable)
- Anticycle time delays Protect equipment
- Easy installation and operation
- Stand-alone operation
- Operates Roof Top Units, Fan Coil Units, Furnaces, Exhaust Fans, Reheat Coils, and other heating and cooling applications

## SPECIFICATIONS

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

## PART NUMBER:

**EXL-01610 [Options]**  
**Options**  
**CO2, RA, RN, TC, MV**

## BACnet Thermostat

### Description:

This BACnet thermostat operates any heating or cooling staged application with up to 2 stages of cooling and 2 stages of heating. 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 by a manual operator command or a timed override. 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). A manual timer allows from 0.1 to 99.9 hours of occupied operation and then returns to the unoccupied mode.

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.

Night Setback stages 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.

### Options:

- CO2 Limits fresh air intake to ASHRAE standard based on occupancy.
- RA Monitors Return 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.
- TC Time Clock - Provides an occupancy schedule.
- MV PWM Valve Modulation (Honeywell MV100, Siemens 247 series).



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