

## BACnet Thermostat – Modulating Heating and Cooling



### FEATURES

- Energy Management System ready with BACnet communications
- Internal Sensor controls 3 speed fan, modulating 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 and other modulating heating and cooling applications

### SPECIFICATIONS

Model	EXL-01624
Fan Speeds	3
Cooling Outputs	1 modulating 2 staged
Heating Outputs	1 modulating 2 staged
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-01624 [Options]**  
**Options**  
**RA, DA, RN, TC**

### BACnet Thermostat

#### 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 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 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.

#### Options:

- ☐ RA Monitors Return Air Temperature for Troubleshooting.
- ☐ DA Monitors Discharge Air Temperature for Modulation.
- ☐ 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 for stand alone



BTL is a registered trademark of BTL. BTL does not warrant, approve or test products for compliance with UL/ETL standards. Compliance of listed products to requirements of UL/ETL Standard 120 is the responsibility of the listed manufacturer. BTL is a registered trademark of the BTL International.



*HumeraTech is the exclusive U.S. distributor for ExactLogic products*  
14295 James Rd. Suite #200 | Rogers, MN | 55374  
1-866-714-0522 | [www.exactlogic.com](http://www.exactlogic.com)