

## BACnet 4-Stage Heat or Cool



### FEATURES

- Energy Management System ready with BACnet communications
- Setpoints are Limited to internal settings (adjustable)
- Easy installation and operation
- Stand-alone operation
- Operates Roof Top Units, Dry Coolers, and other heating and cooling applications

### SPECIFICATIONS

Model	EXL-01690
Fan Speeds	1
Number of Stages	4
Input Voltage	12-24 V AC/DC
Input Power	5 VA
Output Load Max	1.0 Amps
Control Output	Relay - 24 VAC/DC
Comm. Line	BACnet MS/TP

### BACnet 4-stage Heat/Cool Control

#### Description:

This BACnet thermostat operates any heating or cooling staged application with up to 4 stages of cooling or 4 stages of heating, with an additional fan output. 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.

### PART NUMBER:

**EXL-01690 [Options]**  
Options  
**CO2, DA, RA, RN, TC**

#### Options:

- CO2      Limits fresh air intake to ASHRAE standard based on occupancy.
- 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.
- TC      Time Clock - Provides an occupancy schedule.



BACnet is a registered trademark of ASHRAE. ASHRAE does not make, approve or test products for conformance with ASHRAE standards. Development of these products is the responsibility of the BACnet International. BTL is a registered trademark of the BACnet 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)