

BACnet Thermostat – Staged Digital and Analog Heating



FEATURES

- Energy Management System ready with BACnet communications
- Internal Sensor controls 2 modulating heat outputs, 1 digital heating output
- Setpoints are Limited to internal settings (adjustable)
- Anticycle time delays Protect equipment
- Easy installation and operation
- Stand-alone operation
- Operates Unit Heater, Cabinet Unit Heaters, and other heating applications

SPECIFICATIONS

Model	EXL-01641
Fan Speeds	1
Cooling Outputs	0
Heating Outputs	3
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-01641 [Options]
Options
RA, DA, RN, TC, MV

BACnet Thermostat

Description:

This BACnet thermostat operates any heating application. This is a two-stage heating application where stage 1 is digital and stage 2 is analog. There are two different stage 2 analog outputs, one 0-10 Vdc the other 10-0Vdc. 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 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.



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 14295 James Rd. Suite #200 | Rogers, MN | 55374
 1-866-714-0522 | www.exactlogic.com