BACnet Performance Products
ExactLogic

FEATURES

- Energy Management System ready with BACnet communications
- Controls multiple zones with one modulating control signal
- Setpoints are limited to internal settings (adjustable)
- Anti-short cycle time delays protect equipment
- Easy installation and operation
- Stand-alone operation
- Operates Unit Heater, Cabinet Unit Heaters, Infloor heat, and other heating applications

SPECIFICATIONS

Model	EXL-01643
Fan Speeds	1
Cooling Outputs	0
Heating Outputs	2
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-01643 [Options]

Options

RA, DA, RN, TC

BACnet Thermostat

Description:

This BACnet thermostat operates a multi-zone heating application. A "Master" zone will use a 0-10VDC control signal to control a fan VFD. Up to 4 "Slave" zones can be wire to the Master. The highest heating demand signal will be selected by the Master and outputted to the VFD. Each Master and Slave thermostat will have a heating enabled digital output to start/enable the heating valve/relays for the zone it controls.

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

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