FEATURES

- Energy Management System ready with BACnet communications
- Internal Sensor controls Modulating Scroll Cooling and 2 heating stages
- Setpoints are Limited to internal settings (adjustable)
- Anticycle time delays Protect equipment
- Easy installation and operation
- Stand-alone operation
- Operates Roof Top Units with Copeland Scroll Digital™ (Emerson) or Modulating Scroll Compressors (AAON)

SPECIFICATIONS

Model	EXL-01611
Fan Speeds	1
Cooling	1-0-5/10Vdc 1-Staged
Heating	0-5/10Vdc or 2-Staged
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-01611 [Options]
Options
CO2, RA, RN, TC

BACnet Thermostat

Description:

This BACnet thermostat operates one Modulating Scroll Compressor 0-5Vdc or 0-10Vdc output and one staged compressor output such that from 0-50% cooling the modulating output will provide 0-5Vdc or 0-10Vdc and the staged output will be off and from 50% to 100% cooling the staged output will be on and the modulating output will provide from 0-5Vdc or 0-10Vdc. The heating output can be 0-5Vdc, 0-10Vdc or 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 control is limited to maintain the discharge air temperature at no less then 50°F and no greater then 125°F, with the optional discharge air sensor.

Night Setback heats or cools when the room temperature is below 60°F or greater then 85°F and continues operation until the setpoint is exceeded by 5°F.

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.

ExactLogic
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