

BACnet Atmospheric Cooling Room Controller



FEATURES

- Energy management System ready with BACnet communications
- Internal Sensor controls Supply and Exhaust fan outputs
- Separate heating and cooling enable setpoints (adjustable)
- Easy installation and operation
- Stand-alone operation
- Staged Heating Output

SPECIFICATIONS

Model	EXL-01652
Analog Fan Outputs	2
Analog Inputs	6
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 Atmospheric Cooling controller for modulating an Exhaust Fan and Supply Fan set with one stage of Heat to maintain room pressure and temperature.

Description:

This BACnet Atmospheric Cooling controller modulates the room exhaust fan to maintain the room temperature and modulates the room supply fan to provide positive room pressure by supplying 200 Cubic Feet per Minute (CFM) more air than the measured exhaust fan CFM.

The Atmospheric Cooling system is enabled when the room temperature exceeds the cooling setpoint by 2°F and continues to operate until the room temperature drops below the cooling setpoint.

With the Intake Air (IA) temperature option the system has an option to disable the Atmospheric Cooling system when the intake air temperature is above the room temperature.

The Room Pressure (RP) monitoring option will measure the room differential pressure and reset the supply air differential CFM setpoint upward as the room pressure drops.

Relay isolation allows for independent power supply on controlled equipment.

PART NUMBER:

EXL-01652 [Options]
Options
IA and RP

Options:

- IA Supply Air Temperature Monitoring.
- RP Room Pressure Monitor.

Requires Air Flow Measurement Stations and Variable Frequency Drives; please contact us for a quote to match your application needs.



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