



Offering Building Automation Solutions for SC, and select NC and GA territories

Newsletter - October 2018

## Product Highlight: Economizer Controller- POL220

*Low Cost , Easy to Install and Commission*

The Economizer Controller allows the use of unconditioned outside air to cool a building. The Free Cooling air determination is based on customer temperature and humidity selections, as well as optional Demand Control Ventilation (DCV) strategies with CO<sub>2</sub> level selection.

Economizer control provides “free cooling” based on single or dual dry bulb temperature, or combination temperature + humidity sensors.

Wide temperature shutoff setpoint range selection and Btu/lb selection range selectable by DIP switches.

Potentiometers allow accurate adjustment of DCV, exhaust fan levels, and minimum damper position.

Used with Siemens OpenAir® spring return damper actuators.

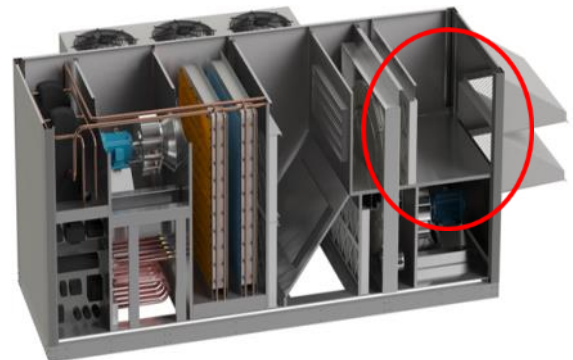
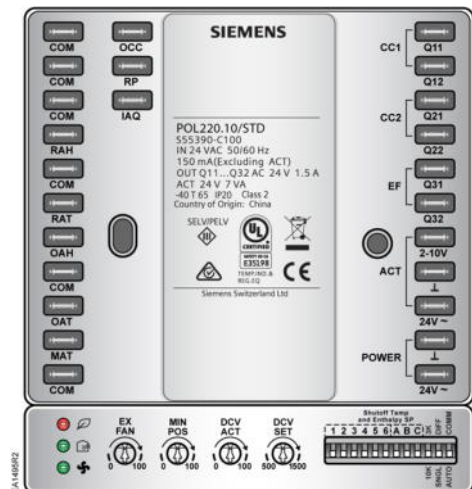
Flexible sensor inputs accept 10K NTC Type II QAM2030.010 or 3k sensors for single or dual dry bulb control , or Siemens QFM60/190 combination temperature/humidity 0 to 10V sensor for single or dual enthalpy control.

Optional Demand Control Ventilation (DCV) using QPA2000 CO<sub>2</sub> sensor

LED Indication when in Free Cooling operation, DCV operation and exhaust fan operation as well as during sensor failure.

Two-stage cooling control.

Occupancy input with default capability.- RDY2000 type commercial thermostat



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## RDY2000BN BACnet Commercial Room

Save energy and optimize comfort with smart, integrated zone and room control

The RDY 2000BN offers a Simple-to-Engineer and easy-to-commission solution to both new construction and retrofit projects

Onboard temperature and humidity sensors with pre-programmed applications for **De-humidification control**.

Add an IAQ remote sensor and utilize the built in CO2 demand ventilation control.

Supports up to 3 Heat / 3 Cool Conventional and 4 Heat / 2 Cool Heat Pump applications

This makes the RDY2000BN a comprehensive solution for all types of applications.

- Built in advanced HVAC applications
- *Independent Humidification & Dehumidification*
- *Air Quality / Pre-Purging / CO2*
- *Economizer Enable*
- *Occupancy*



Consulting-Specifying Engineer 2015  
Product of the Year.



Put more buildings  
to work for you.

The RDY2000BN Commercial Thermostat  
with BACnet Communication

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## SimpleSelect - Siemens' Valve Sizing and Selection Tool

**SIEMENS**

Quickly build a valve schedule from our complete portfolio of valves & actuators. SimpleSelect now includes PICVs and their associated actuators and a comprehensive cross-reference that searches through 8,000 competitive or obsolete Siemens part numbers to find the right replacement.

### **New cross-reference part no. search generates speedy results.**

A robust cross-reference search feature quickly and easily finds a Siemens match. It's as simple as typing in a part number of the component you have. SimpleSelect sorts through competitive and discontinued Siemens part numbers and provides a drop down list of replacement options.

### **Valve Sizing Made Easier**

An intuitive, easy-to-use interface helps you quickly size the valve you need with menus that allow you to:

- Select type of valve from the portfolio
- Choose the medium being controlled
- Determine the correct Cv or Required Flow (gpm)
- Calculate pressure drop and quantity of steam

### **Increase productivity with customizable settings**

- Keep information at your fingertips for convenient reference and store settings to help simplify time-consuming work.
- Work online or offline
- Download data sheets and photos for full offline access to specifications
- Enter customer information, tagging instructions and project notes that you would like to include on your valve schedule exports
- Prominently display your company's information on all project submittals
- Save frequently used part numbers to Favorites for fast, easy access

***Don't Wait - Download the SimpleSelect™ Tool Here***

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## Ever Wonder What the Life Expectancy of your equipment is ?

### ASHRAE Equipment Life Expectancy chart

ASHRAE is the industry organization that sets the standards and guidelines for most all HVAC-R equipment.

For additional info about ASHRAE the website is [www.ashrae.org](http://www.ashrae.org) .

Equipment Item	Median Years	Equipment Item	Median Years	Equipment Item	Median Years
Air conditioners		Air terminals		Air-cooled condensers	20
Window unit	10	Diffusers, grilles, and registers	27	Evaporative condensers	20
Residential single or Split Package	15	Induction and fan coil units	20	Insulation	
Commercial through-the wall	15	VAV and double-duct boxes	20	Molded Blanket	20
Water-cooled package	15	Air washers	17		24
Heat Pumps		Ductwork	30	Pumps	
Residential air-to-air	15	Dampers	20	Base-mounted	20
Commercial air-to-air	15	Fans		Pipe-mounted	10
Commercial water-to-air	19	Centrifugal	25	Sump and well	10
Roof-top air conditioners		Axial	20	Condensate	15
Single-zone	15	Propeller	15	Reciprocating engines	20
Multi-zone	15	Ventilating roof-mounted	20	Steam turbines	30
Boilers, hot water (steam)		Coils		Electric motors	18
Steel water-tube	24 (30)	DX, water, or steam	20	Motor starters	17
Steel fire-tube	25 (25)	Electric	15	Electric transformers	30
Cast iron	35 (30)	Heat Exchangers		Controls	
Electric	15	Shell-and-tube	24	Pneumatic	20
Burners	21	Reciprocating compressors	20	Electric	16
Furnaces		Packaged chillers		Electronic	15
Gas- or oil-fired	18	Reciprocating	20	Valve actuators	
Unit heaters		Centrifugal	23	Hydraulic	15
Gas or electric	13	Absorption	23	Pneumatic	20
Hot water or steam	20	Cooling towers		Self-contained	10
Radiant Heaters		Galvanized metal	20		
Electric	10	Wood	20		
Hot water or steam	25	Ceramic	34		

This data is based on a limited survey conducted in 1978. The user is cautioned that the data presented in this table is now almost 25 years old and doesn't reflect recent developments in manufacturing technology or the advent of microprocessor based control and diagnostics. Second, the table summarizes the responses from only 68 survey participants and is, therefore, of questionable statistical validity. Third, as indicated above, the term service life is often confused with equipment life causing the data to be widely misapplied. This is not to say, however, that the available information is not useful. Rather, it is important to understand the limitations of that information, and what it really represents.

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## Our Commitment

With a combined 33 years experience, PCI is uniquely qualified to provide the most advanced building solutions available by integrating products from Siemens Talon, Honeywell and Schneider. We are dedicated to insuring total customer satisfaction by providing our customers with the best building automation and control solutions. We are committed to offering only the best technology: technology that is cost effective, globally proven, and locally delivered and supported.

For more information call us at  
803-239-2492 or email us at [info@palmettocontrols.com](mailto:info@palmettocontrols.com)

## Place your Service Request Online



For your convenience, you can now place your non-emergency service requests online at:

<http://www.palmettocontrols.com/service-request.html>

You will receive a confirmation of your request via email and a service technician will contact you promptly.

**Please do not use this form for Emergency requests.**

If you have an Emergency Service call or need immediate assistance during office hours, call our main number at **803-239-2492** and ask for the Service Desk.

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