

## ***PC-3 Control System by AbsolutAire***

Advanced discharge temperature and humidity control for high turnover spaces in a simple to use system

### **LCD Human Machine Interface (HMI)**

- Easy to read backlit display with all necessary information for control and system diagnostics
- Scrolling main display for system status 'at a glance'
- Intuitive menu system for ease of navigation
- View system faults in 'plain English' format for ease of diagnostics
- Edit system set points and configuration in real time



### **BMS Network Interface (selectable at time of order)**

- BACnet MS/TP or LON connection included with every unit
- Full system control via included BACnet MS/TP or LON connection
- Will operate as a stand-alone system or in conjunction with a BMS
- Standardized points list for ease of integration
- Automatic network baud rate detection on power up

### **Unit Controller**

- ARM Cortex M3 32 bit processor operating at 72 MHz
- 1 MB non-volatile Flash for applications and 2 MB for data storage
- Operating temperature 32°F to 122°F
- Real Time Clock with battery backup
- Up to 12 digital HMI's can be daisy-chained together for unit control

- CE, FCC, UL (CDN & US), UL-864, CSFM, and CEC listed appliance

## Standard Features

- Scrolling main display for discharge temperature, humidity, and airflow CFM (if equipped) conditions at a glance
- Discharge temperature and humidity control for high turnover applications
- System faults displayed in simple text for easy diagnostics
- Complete system status available via the easy to navigate menu
- Dew point control for accuracy
- Supports the following cooling types:
  - Modulating analog DX condenser
  - Modulated chilled water valve
- Supports the following heat types:
  - Modulated gas
  - Modulated hot water or steam
  - Electric
- BMS network ready
- Altitude configuration for control accuracy

## Optional Features

- Individual pre-filter and final filter monitoring with notification
- Humidification supporting the following types:
  - Evaporative media with face/bypass dampers
  - Steam generator with analog control
- Reheat control supporting the following types:
  - Modulated gas
  - Modulated hot water or steam
  - Electric
- Airflow monitoring and control
- Multiple averaged discharge sensors for greater accuracy