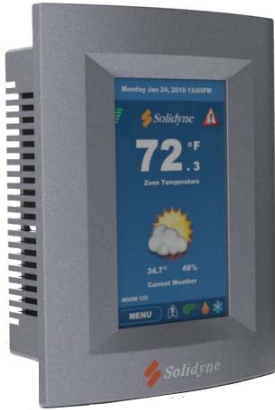


An Family Product



POWERED BY
SEDONA
FRAMEWORK™

PNT1

Your #1 Tool for going GREEN

This new high tech all in one Thermostat Controller has all the features you have come to expect from Solidyne's visionary design staff. Bundling current and forward reaching technologies in both hardware and software entities, Solidyne has created a dedicated, application specific, networkable Thermostat Controller that simplifies installation and programming while providing leading edge capabilities.

The PNT1 is a fully programmable, networkable BACnet over IP wireless controller with a 4.3" full color LCD touch screen for altering set points and adjusting schedules. The built in password security inhibits unauthorized access to parameter alterations including set points. The PNT1's fully programmable control logic can be accessed via a remote computer from anywhere in the world. The onboard I/O can be logged for up to a decade a may be monitored and set-points can be adjusted from any web browser! Upload your own screensaver to the PNT1 for additional individuality or commercial identity. Install the PNT1 either wall mounted for convenience or flush mounted for a sleeker look. Touch the 4.3" LCD screen anywhere to bring the PNT1 out of screensaver mode and view indoor/outdoor weather conditions along with the time of day which are automatically updated via the web. With built in 802.11 wireless technology the PNT1 is easy to install saving you time and money. The application specific criteria of the PNT1 simplifies the programming process. Choose between Rooftop Unit, Fan Coil Unit, or Variable Air Volume and your PNT1 will come with the appropriate firmware preinstalled for your dedicated application, while still allowing you to uniquely program each controller via Tridium's Sedona programming interface!

In addition to built in Temperature and Humidity sensors the PNT1 also provides up to 2-Universal inputs, 2 0-10V Analog Outputs, 5 Relay Outputs, and 2 USB 2.0 ports. If more memory is desired the PNT1 can be equipped with a Micro SD memory card making it considerably more robust. Also send alarms to as many people as you wish using your existing email service.

PNT-1's Faceplates are made from flame retardant ABS and also comes in a variety of colors.

- BACnet over IP
- 4.3" Touch screen LCD interface
- 802.11 WiFi capability
- Data logging up to 10 years
- Alarming via Email
- Outdoor Weather Updates
- Application Specific
- 2 USB 2.0 Ports
- MicroSD Slot
- Wall Mountable or Flush Mountable
- Built-in Over-ride
- Customizable Screen Saver



BACnet/IP Protocol



802.11a/b/g/n connectivity



4.3" full color LCD Touchscreen



USB 2.0 connectivity



microSD card expansion

HARDWARE FEATURES/BENEFITS

- Networkable peer to peer distributed networking
- BACNet/IP protocol
- 10/100 Ethernet RJ45 connection
- 802.11 WIFI including latest 802.11n Draft 2.0 standard. Supporting WPA-PSK & WPA2-PSK. AES authentication/encryption also included.
- Protocols supported: HTTP, HTTPS (SSL), SSH, TCP, UDP, TELNET, FTP, DHCP, DNS, SMTP, NTP, SNMP
- USB 2.0 connectivity for download logged data and additional plug in communication modules
- microSD memory card expansion to extend internal memory of controller
- Onboard Scheduling, Trending and Alarming
- Weather updates via XML datafeeds displayed right on the LCD
- Internal HTTP web interface for monitoring and configuration of control parameters
- 4.3" LCD Touchscreen
- Zone Temperature & Humidity built in
- Battery backup 7+ years
- Flash based microcontroller allowing remote updating of operating system
- 400Mhz ARM 9 processor
- Onboard 1Gb memory
- BACNet Advanced Application Controller (B-AAC) Profile

SPECIFICATIONS

- **Supply Voltage:** 24 VAC
- **Supply Power:** 3 VA
- **Connections:** Wire clamp type terminal blocks
- **Outputs:**
(5) Relay Outputs (NO, 5A @ 24VAC)
(2) Analog Outputs (0-10VDC)
- **Inputs:**
Dedicated Zone Temperature and Zone Humidity
(2) Universal Inputs (Thermistor, 0-10VDC, 4-20mA, Digital)

- **Case Material:** flame retardant ABS
- **Dimensions:** 6.1x 4.1 x 2.1 inches (141 x 106 x 28.6 mm)
- **Approvals:** UL/CSA and BTL listings pending
- **Weight:** 0.48 lbs. (218 g)

Environmental Specifications

- **Operating:** 34 to 125° F (1.1 to 51.6° C)
- **Shipping:** -40 to 140° F (-40 to 60° C)
- **Humidity:** 0 to 95% RH (non-condensing)

Temperature/Humidity

- **Sensor Type** 10k (Temp), 4-20mA (Humidity)

Temperature Readings

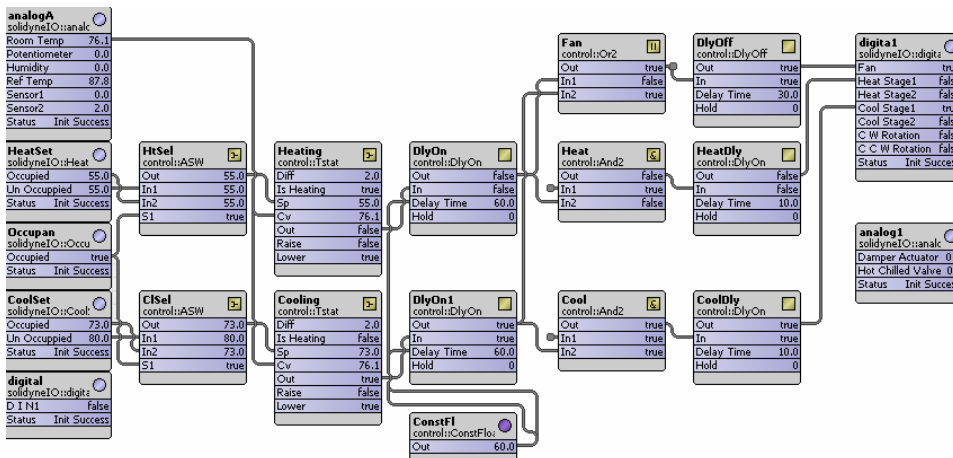
- **Accuracy** ±0.9° F offset (±0.5° C) from 40° to 104° F (4.4° to 40° C)
- **Resolution** ±0.1° F (±0.1° C)
- **Operating Range** 36 to 120° F (2.2 to 48.8° C)

Humidity Readings

- **Range** 0 to 100% RH
- **Accuracy @ 25° C** ±2% RH (10 to 90% RH)

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Agency Approvals Pending:



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