

# WIRELESS PNEUMATIC THERMOSTAT (WPT)

## FEATURES

- Retrofit existing pneumatic thermostats in minutes
- Delivers DDC-like functionality
- Remote monitoring of temperature
- Remote monitoring of branch pressure
- Remote control of setpoint
- Automatic self-calibration
- Occupancy override notification
- Programmable temperature setbacks
- No computer needed for programming for standalone thermostats
- Easy to install wireless system
- Optional BACnet/IP and iLON interface to integrate with the existing Building Automation System



**Plug and play wireless pneumatic thermostat replaces existing Siemens™, Honeywell™, Johnson Controls™, Robertshaw™ etc. units in minutes**

The worldwide patent pending Wireless Pneumatic Thermostat (WPT) delivers DDC-like functionality at a fraction of the time and cost without the need to change out pneumatic pipes, run wires, replace actuators or disturb tenants. Not necessary to upgrade entire building at one time; may selectively retrofit individual thermostats for incremental benefits:

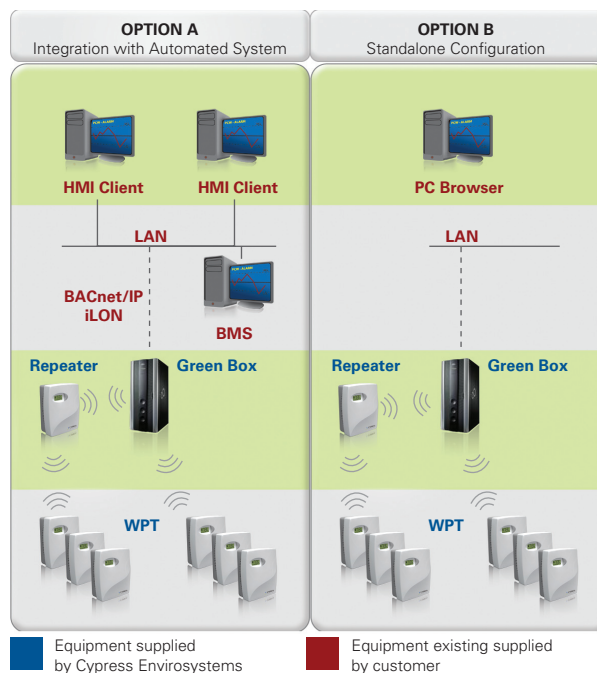
- Remote monitoring of temperature and branch pressure
- Automatic setpoint changes based on time-of-day schedule and night setback
- Automatic calibration for setpoint offsets
- Notification on occupancy override
- Early problem detection to avoid tenant/occupant complaints
- Zone control for optimal energy usage and comfort
- System can work standalone, or integrate with existing Building Automation System via BACnet/IP and iLON interface

Saves energy, improves comfort for tenants, and lowers maintenance costs of legacy pneumatic HVAC systems.

## BENEFITS

- Digital zone control optimizes energy usage and comfort
- Programmable temperature setbacks saves energy
- Enables use for utility Demand Response programs
- Occupancy override logs tenant after-hour usage
- Built-in diagnostics lowers maintenance cost

## WPT SYSTEM ARCHITECTURE



## KEY PRODUCT SPECIFICATIONS

### WIRELESS PNEUMATIC THERMOSTAT (WPT)

<b>Action:</b>	Direct / Reverse Acting
<b>Number of Pipes:</b>	Single / Dual pipe
<b>Setpoint Temperature Range:</b>	55°F to 85°F (13°C to 29°C)
<b>Air connections:</b>	3/32" (2.5 mm) ID tube fittings
<b>Max Pipe Operating Pressure:</b>	25 psi (170 kPa)
<b>Airflow Usage:</b>	0.011 scfm (5.2 mL/s)
<b>Sensitivity:</b>	Factory adjusted to 2.0 - 2.5 psi/F
<b>Operating frequency band:</b>	2.4 GHz ISM Band
<b>Battery life:</b>	More than 2 years (with 4 setpoint changes per day)
<b>Operating Condition:</b>	32°F to 122°F (0°C to 50°C); 95% RH Maximum, Noncondensing
<b>Storage Condition:</b>	-40°F to 122°F (-40°C to 50°C); 95% RH Maximum, Noncondensing
<b>Dimensions:</b>	Length - 5.6 in (141mm) Width - 4.1 in (103.5mm) Depth - 2.1 in (53.3mm)

## OUR FAMILY OF PRODUCTS:

					
WIRELESS PNEUMATIC THERMOSTAT (WPT)	WIRELESS GAUGE READER (WGR-100)	WIRELESS STEAM TRAP MONITOR (WSTM-100)	WIRELESS FREEZER MONITOR (WFM-100)	WIRELESS TRANSDUCER READER (WTR-100)	BLUE BOX SERVER (BBS-100)

## HEADQUARTERS

198 Champion Court  
 San Jose, CA 95134  
 +1 408 943 2800  
[www.cypressenvirosystems.com](http://www.cypressenvirosystems.com)  
[info@cypressenvirosystems.com](mailto:info@cypressenvirosystems.com)