**CYPRESS** ENVIROSYSTEMS

## FEATURES

- Retrofit existing pneumatic thermostats in minutes
- Delivers DDC-like functionality
- Remote monitoring of temperature
- Remote monitoring of branch pressure
- Cell/Pager alarm notification
- 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 integration with existing building management system
- Optional after-hour tenant billing package

## BENEFITS

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

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

The worldwide patent pending Wireless Pneumatic Thermostat 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 complains
- Zone control for optimal energy usage and comfort
- System can work standalone, or integrate with existing Building Automation System via BACnet/IP interface

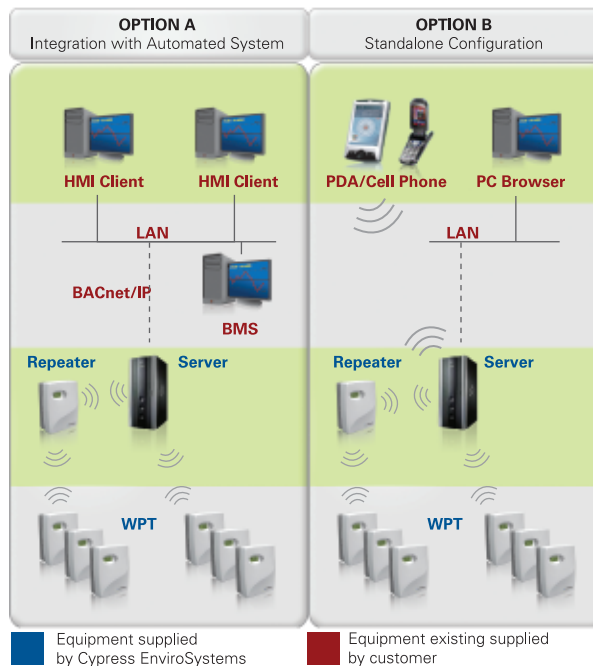Saves energy, improves comfort for tenants, and lowers maintenance costs of legacy pneumatic HVAC system.

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## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Action:** | Direct / Reverse Acting |
| **Number of Pipes:** | Single / Dual pipe |
| **Setpoint Temperature Range:** | 55 F to 90 F |
| **Air connections:** | Barb fittings 5/32 in. (4 mm) |
| **Max Operating Pressure:** | 25 psi (170 kPa) |
| **Airflow Usage:** | 0.011 scfm (5.2 mL/s) |
| **Operating frequency band:** | 2.4 GHz ISM Band |
| **Battery life:** | 3 Years* |
| **Operating Condition:** | 32 to 122°F (0 to 50°C); 95% RH Maximum, Noncondensing |
| **Storage Condition:** | -22 to 122°F (-30 to 50°C); 95% RH Maximum, Noncondensing |

* with 30 minutes rate for monitoring room temp and 4 setpoint changes per day.

**WPT NETWORK**



**OPTION A**
Integration with Automated System

**OPTION B**
Standalone Configuration

HMI Client   HMI Client   PDA/Cell Phone   PC Browser

LAN   LAN

BACnet/IP

BMS

Repeater   Server   Repeater   Server

WPT   WPT

Equipment supplied
by Cypress EnviroSystems

Equipment existing supplied
by customer

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