CYPRESS
ENVIROSYSTEMS

FEATURES:

- Retrofit existing pneumatic thermostats in minutes
- Delivers DDC functionality
- Remote monitoring of branch pressure
- Remote control of setpoint
- Automatic self-calibration
- Occupancy override notification
- Programmable temperature setbacks
- Easy to install wireless system
- Built-in BACnet/IP interface to integrate with existing building automation systems

BENEFITS:

- Digital zone control optimizes energy usage and comfort
- Programmable temperature setbacks save energy
- Enables use for utility demand response programs
- Occupancy override logs tenant after-hours usage
- Diagnostic monitoring reduces maintenance and operating cost

Plug and Play Wireless Pneumatic Thermostat (WPT) replaces existing Siemens, Honeywell, Johnson, Robertshaw units in minutes

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

- Automatic setpoint changes based on time-of-day schedule and night setback
- Automatic calibration
- Notification on occupancy override
- Early problem detection to avoid occupant complaints
- Zone control for optimal energy use and comfort
- System can work standalone or integrated with existing Building Automation System (BAS) via BACnet/IP

Saves energy, improves comfort for occupants, and lowers maintenance cost of legacy pneumatic HVAC systems.

KEY PRODUCT SPECIFICATIONS:

Action:	Direct / Reverse Acting
Number of Pipes:	Single / Dual Pipe
Setpoint Temperature Range:	55°F to 85°F (13°C to 29°C)
Air Connections:	3/32" (2.5 mm) ID tube fittings
Max Pipe Operating Pressure:	25 psi (170 kPa)
Airflow Usage:	0.011 scfm (5.2 mL/s) maximum
Sensitivity:	Factory adjusted to 2.0 – 2.5 psi/F
Sensor Accuracy:	+/- 0.7°F (0.4°C) for temperature
Operating Frequency Band:	900 MHz LoRaWAN Protocol
Battery Life:	More than two years with 4 setpoint changes per day
Operating Condition:	32°F to 122°F (0°C to 50 °C); 95% RH Maximum, Noncondensing
Storage Condition:	-40°F to 122°F (-40°C to 50 °C); 95% RH Maximum, Noncondensing
Dimensions:	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 STEAM TRAP MONITOR (WSTM)	WIRELESS GAUGE READER (WGR)	WIRELESS TRANSDUCER READER (WTR)	WIRELESS FREEZER MONITOR (WFM)

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