



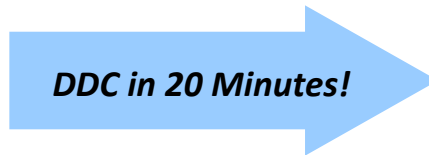
# ***Wireless Pneumatic Thermostat Overview***

# Wireless Pneumatic Thermostat (WPT)

*EXISTING LEGACY STAT*



- Manual Setpoint Control
- No Remote Readings
- No Diagnostics
- Manual Calibration Required
- Cannot support Demand Response strategies



*CYPRESS ENVIROSYSTEMS  
WIRELESS PNEUMATIC THERMOSTAT*



- Remote Wireless Setpoint Control
- Remote Monitoring of Temperature & Pressure
- Pager/Cell Notification of Excursions
- Automatic Self-calibration
- Programmable Temperature Setbacks
- Occupancy Override
- Enables Demand Response strategies
- BACnet Interface to BMS
- Compatible With Existing Johnson, Honeywell, Siemens, Robertshaw
- Up to 2yr battery life

**Get the benefits of Direct Digital Control (DDC) in less than 20 minutes**

# WPT – Reducing Energy Use & Improving Productivity

<b>Savings Type</b>	<b>Typical Reduction per 1200 sq-ft Zone</b>	<b>Annual Savings per 1,200 sq-ft zone</b>	<b>Comments</b>
<b>Reduced Energy Cost</b>			
Improved Calibration	1% to 5%	\$17 to \$83	Typical pneumatic thermostat is out of calibration in under 6 months
Programmable Zone Control, Night Setback	5% to 15%	\$83 to \$248	2% per every degree F of setback general rule
Lower Tariffs - Demand Response	0% to 3%	\$0 to \$50	Utility Demand Response program for electricity
<b>Reduced Maintenance Labor</b>			
Fewer tenant complaints/calls	0.0 man-hrs to 1.0 man-hrs	\$0 to \$85	Average 0 to 2 calls per year per thermostat
Reduce Calibration work	0.1 man-hrs to 0.5 man-hrs	\$9 to \$43	Average 20 minutes for calibration per year per thermostat
Reduce Troubleshooting	0.1 man-hrs to 0.2 man-hrs	\$9 to \$17	Average 10 minutes for troubleshooting per year per thermostat
<b>Lower Tenant Related Costs</b>			
Better occupancy override cost recovery		\$5 to \$50	Enable tenant zone override with automatic tracking
Improvement in lease retention rate	5% to 10%	\$60 to \$120	Happier tenants (tenant turnover cost \$10 per sq-ft)
<b>TOTAL</b>		<b>\$175 to \$700</b>	

Source: US Energy Information Administration (2003 - 2007), ASHRAE, Cypress Envirosystems customer surveys

**Annual savings of up to \$700 per year per Thermostat – typical payback in less than one year**