

# Wireless Pneumatic Thermostat System Components

The Wireless Pneumatic Thermostat (WPT) System is an engineered solution. Please contact us at 1-800-544-5411 or [info@cypressenvirosystems.com](mailto:info@cypressenvirosystems.com) for assistance to properly scope your project. The purpose of this document is to ensure full understanding of what is required for a complete system.

The standard WPT System consists of the following four components: 1) Wireless Pneumatic Thermostat (WPT), 2) Green Box Controller (GBC), 3) Wireless Repeater (RPT), and 4) Wireless USB Hub (HUSB). The GBC comes with a built-in web-based interface for buildings that do not integrate with a third-party building automation system (BAS). The GBC also comes with BACnet/IP for easy integration with other systems.

There are several varieties of WPTs, so it is important to order the correct one. Be sure to identify the existing thermostats and replace like with like. The wireless repeaters require 24V power, but a separate 110V power supply can be ordered. There is only one type of GBC and HUSB.

Part Number	Description	When to order
WPT-800-T2DP	Two-pipe direct acting	Legacy thermostat is two pipe, direct acting and one setpoint is desired.
WPT-800-T2RP	Two-pipe reverse acting	Legacy thermostat is two pipe, reverse acting and one setpoint is desired.
WPT-800-T1DP	Single-pipe direct acting	Legacy thermostat is one pipe, direct acting and one setpoint is desired.
WPT-800-T1RP	Single-pipe reverse acting	Legacy thermostat is one pipe, reverse acting and one setpoint is desired.
*-DB	Deadband option	Recommended for zones that provide heating and cooling.
*-RH	Humidity sensor option	Thermostats can be ordered with an optional humidity sensor built in
*-SW	Summer/Winter Thermostat	Contact Cypress to specify replacements for legacy summer/winter pneumatic thermostats
WPT-810-WRH	Humidity Sensor	A stand-alone humidity and temperature sensor
WPT-802-WMM	Main Monitor	Pressure monitor for main line. Most often used with summer/winter thermostats.
WPT-810-RPT	Wireless Repeater	Typically one RPT for every 8-15 WPTs
WPT-810-DCPS	Power supply	110V power supply for wireless repeater
WPT-800-HUSB	WPT USB Hub	One for every GBC
GBC-810-COM	WPT Green Box Controller	All WPT systems require an GBC (typically one GBC for every 100-175 thermostats)
WPT-800-MCOV	WPT Blank Cover	If local user temperature reading and control are not desired

BACnet interface compatible with:

