

Wireless Pneumatic Thermostat System Components

The Wireless Pneumatic Thermostat (WPT) System is an engineered solution. Please contact us at 1-800-544-5411 or support@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 WPT System consists of the following four components: 1) Wireless Pneumatic Thermostat (WPT), 2) Green Box Controller (GBC), 3) Wireless Repeater (RWAL), 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 eight varieties of WPTs, so it is important to order the correct one. Be sure to identify the existing thermostats and replace like with like. Determine if the system is direct or reverse acting and if the thermostats have one or two pipes. Also, if two adjustable setpoints are needed (heating and cooling), be sure to specify the deadband version of the WPT. The RPT can be powered with 24V AC or DC. You can also order a plug for the RPT. 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.
WPT-800-T2DP-DB	Deadband Two-pipe direct acting	Legacy thermostat is two pipe, direct acting and two setpoints are desired.
WPT-800-T2RP-DB	Deadband Two-pipe reverse acting	Legacy thermostat is two pipe, reverse acting and two setpoints are desired.
WPT-800-T1DP-DB	Deadband Single-pipe direct acting	Legacy thermostat is one pipe, direct acting and two setpoints are desired.
WPT-800-T1RP-DB	Deadband Single-pipe reverse acting	Legacy thermostat is one pipe, reverse acting and two setpoints are desired.
WPT-810-RPT	WPT Wall Powered Repeater	When a wireless repeater is needed
WPT-800-HUSB	WPT USB Hub	All WPT systems require an HUSB (typically one GBC for every 100-225 thermostats)
GBC-820-COM	WPT Green Box Controller	All WPT systems require an GBC (typically one GBC for every 100-225 thermostats)
WPT-800-MCOV	WPT Blank Cover	If local user temperature reading and control are not desired

BACnet interface compatible with:

