

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 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 RWALs come in two types: 1) 120V , and 2) 24V. 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-800-RWAL | WPT Wall Powered Repeater | When a 120V wall powered repeater is desired (typically one RWAL for every 8-15 WPTs) |
| WPT-800-RWAL24V | WPT 24V Repeater | When a 24V repeater is desired (typically one RWAL for every 8-15 WPTs) |
| WPT-800-HUSB | WPT USB Hub | All WPT systems require an HUSB (typically one GBC for every 100-225 thermostats) |
| GBC-800-001 | 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:

