

Products

– Comfort / Thermostat

PCT 523-W-
TY/BK

WiFi 24VAC Thermostat (Touch
Button/Black Screen)



Description

The Wi-Fi thermostat makes it easier and smarter to control your household temperature. With remote zone sensors, you can balance hot or cold spots throughout the home to achieve best comfort. And you will be able to remotely control the temperature anytime through your mobile phone.

Features

- Works with most 24V heating and cooling systems
- Support Dual Fuel switching or Hybrid Heat
- Add up to 10 Remote Sensors to thermostat and prioritize heating and cooling to specific rooms for all home temperature control
 - 7-day customizable Fan/Temp/Sensor programming schedule
 - Multiple HOLD options: Permanent Hold, Temporary Hold, Follow Schedule
 - Fan periodically circulates fresh air for comfort and health in circulate mode
 - Preheat or precool to reach the temperature at the time you scheduled
 - Provides Daily/Weekly/Monthly energy usage
 - Prevent accidental changes with lock feature
 - Send you Reminders when to perform periodic maintenance
 - Adjustable temperature swing can help with short cycling or save more energy

Technical Specifications

Compatibility	
HVAC systems	<ul style="list-style-type: none"> • Works with most 24V heating and cooling systems, including furnaces, air conditioners, boilers, and heat pumps with either forced air or radiant delivery. • Conventional: 2-stage heating and 2-stage cooling HVAC systems • Heat Pump: 2-stage heating, 2-stage cooling, 2-stage Auxiliary or Alternative heating, Emergency heat • Supports Dual Fuel switching/Hybrid Heat
Wiring Terminals	
Rc	• 24VAC power from cooling transformer
Rh	• 24VAC power from heating transformer
C	• 24VAC common
W1	• 1st stage Primary heating relay in conventional system / Auxiliary or Alternative 1st stage heat in heat pump system
W2	• 2nd stage Secondary heating relay in conventional system / Auxiliary or Alternative 2nd stage heat in heat pump system / Emergency heat
Y1	• 1st stage Primary compressor contactor
Y2	• 2nd stage Secondary compressor contactor
G	• Fan relay
O/B	• Changeover valve for heat pumps
S	• C-Wire Adaptor terminal
Connectivity	
Wi-Fi	• 802.11 b/g/n @ 2.4GHz
BLE	• For Wi-Fi Pairing
Radio	• 915MHZ
Physical Specifications	
Display	<ul style="list-style-type: none"> • 3-inch single-color LED display • Acrylic front panel
Control Interface	• Touch-sensitive buttons
Sensors	<ul style="list-style-type: none"> • Occupancy • Temperature • Humidity
Power	• 24 VAC, 50/60 Hz
Dimensions	• 96 (L) × 96 (W) × 24 (H) mm
Mounting Type	• Wall Mounting
Accessories	<ul style="list-style-type: none"> • Trim plate • C-Wire Adaptor (Optional)
Remote Zone Sensor	
Battery	• 2*AAA batteries
Radio	• 915MHz
LED	• 2-color LED (Red, Green)
Sensors	<ul style="list-style-type: none"> • Occupancy • Temperature • Humidity
Mounting Type	• Tabletop stand or Wall mounting