



PECO WAVE WIRELESS™ SYSTEM

TW205 THERMOSTATS AND RW205 CONTROL MODULE
FOR PTAC/PTHP AND CERTAIN FAN COIL SYSTEMS



Highlights

- 1 Heat / 1 Cool conventional, PTAC, PTHP & Fan Coil
- Frequency hopping spread spectrum wireless
- Up to 3-speeds of fan control
- Occupancy HVAC control input
- Accepts setback & remote sensor inputs
- Auto/ Heat/ Cool/ Off
- LCD display with blue backlight
- 24 VAC, 120-277 VAC, battery or both
- Fahrenheit or Celsius display
- ASHRAE 90.1 & Title 24 compliant*

* ASHRAE 90.1 or Title 24 compliance requires TW205 programmable thermostat, plus RW205 receiver module.

Reduce installation time, increase profits, and comfort.

The PECO Wave Wireless System is a cost-effective alternative to expensive or difficult rewiring retrofit projects. Unlike built-in controls, the wireless units can be removed and reinstalled as the building floor plan changes without rewiring walls. It reduces installation time, offering less disruption for occupants, and decreased contractor labor-time and expense.

PECO TW205 is a non-programmable wireless thermostat-transmitter with a blue, backlight LCD display that interfaces with RW205 wireless receiver. System controls Heat/ Cool/ Off/ Auto and Fan Speed, and allows for a remote location thermostat, desirable for easy installation in retrofit applications.

System supports remote temperature sensor, reversing valve, outside air damper, and multiple auxiliary heat types. Frequency hopping, spread-spectrum technology used by TW205/RW205 avoids interference by other wireless signals, this enables optimal performance even when multiple units are in close proximity.

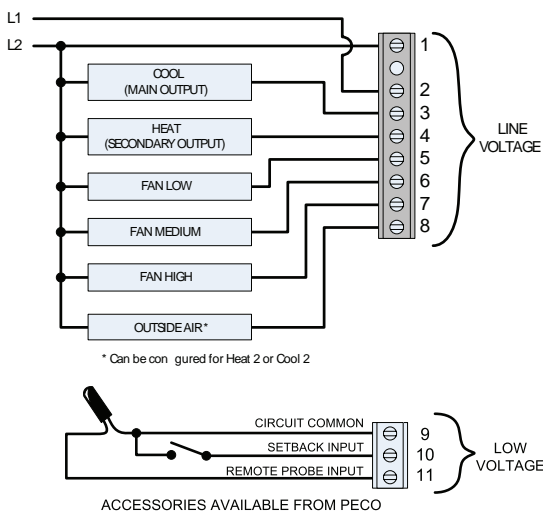
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TECHNICAL SPECIFICATIONS

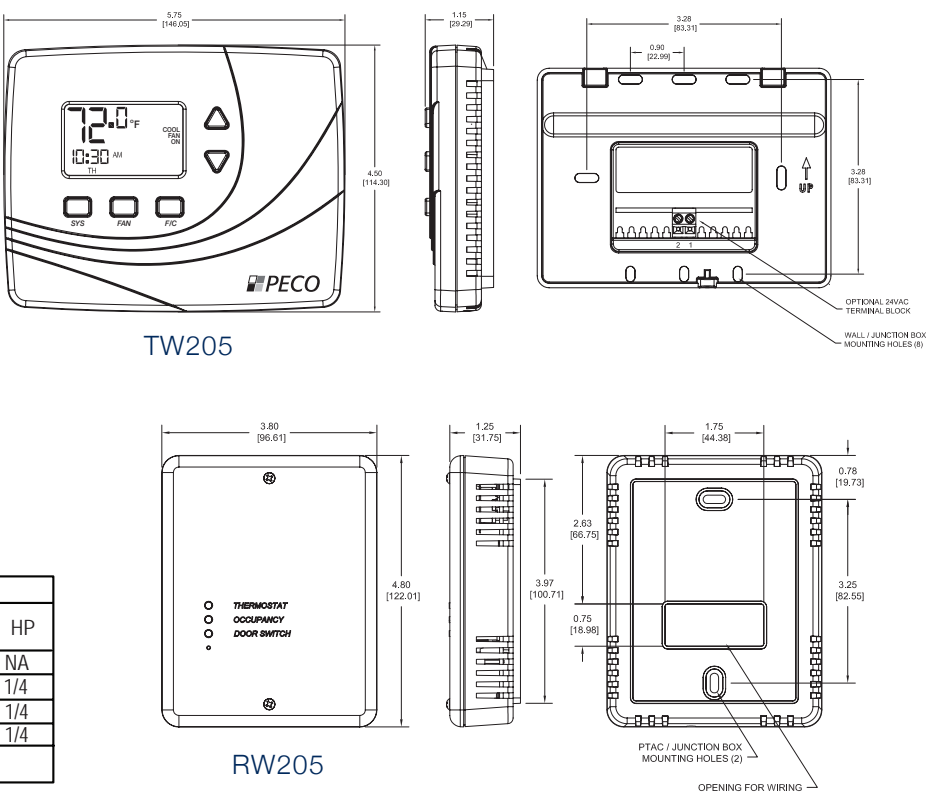
Temperature Range	50° to 90°F (10° to 32°C)
Differential	1°F (0.5°C)
Input Power	TW205 thermostat: Two AA alkaline batteries or 24 VAC, or both, 50/60 Hz RW205 receiver: 24 VAC or 100-277 VAC, or both, 50/60 Hz
Wireless Type	902 to 928 MHz Band, FHSS (Frequency Hopping Spread Spectrum)
Wireless Range	100 ft minimum in open air
Operating Temperature	0° to 120°F (-17° to 48°C)
Shipping Temperature	-20° to 130°F (-28° to 54°C)
Operating Humidity	5% to 95% RH, non-condensing
Physical Dimensions	TW205: 6" W x 4.6" H x 1.2"D RW205: 4" W x 5.0" H x 1.3"D



WIRING DIAGRAM - RW205



MOUNTING INSTRUCTIONS



RATINGS

VOLTAGE	RATINGS				
	FLA	LRA	RES AMPS	PILOT DUTY	HP
24 VAC	NA	NA	NA	24 VA	NA
120 VAC	5.8	34.8	6.0	125 VA	1/4
240 VAC	2.9	17.4	5.0	125 VA	1/4
277 VAC	2.4	14.4	4.2	125 VA	1/4

COMBINED LOAD CURRENT NOT TO EXCEED 20 AMPS

MODEL SELECTION GUIDE

Model	Part Number	Description
TW205-001	69402	PECO Wave Wireless non-programmable thermostat, 1 Heat/ 1 Cool, 24V or battery or both.
RW205-001	69403	PECO Wave Wireless receiver module.



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