Defining the A.I. Thermostat

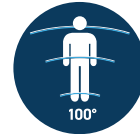# vtech® | Hospitality

**E-Smart W960
Wireless Thermostat**
Space Gray

Controller Card

Occupancy
Detection

Antibacterial
Coating

Reduce Energy
Consumption

KEY FEATURES

• Sustainable solution which can reduce your heating and cooling related energy consumption by up to 30%
• Elegant industrial design
• Standalone energy management
• Compatible with most wired HVAC systems
• Occupancy detection
• E-Smart configuration tool
• ZigBee 3.0 compatible
• Antibacterial coating tested to inhibit 99.9% of bacteria growth
• 1-year limited warranty

SYSTEM APPLICATION

• Improve PTAC/VTAC energy management and reduce maintenance costs with this easy to install wireless thermostat
• Place anywhere in the guest room without the need for wiring or an electrician
• Smart, in-room energy management system with occupancy detection optimizes energy usage
• Networked energy management system optimizes in-room energy usage
• Controller card mounts directly to the PTAC chassis and connects with the included wire harness
• Wirelessly communicates with the thermostat

INCLUDED IN THE BOX

• Thermostat
• Controller Card
• Wiring Harness
• Deco Plate

PTAC Direct Sales, Inc.
185 S. Kimball Ave., Suite 130
Southlake, TX 76092
877.454.7822 (T)
877.647.6408 (F)

WIRELESS THERMOSTAT SPECIFICATIONS

Product Dimensions	3.4" x 3.4" x 0.9" (8.6cm x 8.6cm x 2.3cm)
Mounting Type	Surface Mount
HVAC System	PTAC/VTAC/Heat Pump
Power Requirements	Alkaline Batteries (4 AAA)
Display	1.3" (128 x 64) OLED
Number of Keys	4 Touch Keys
LED Indicator	1, Red
Temperature Range	33-99°F (+/-1°F) / 1-37°C (+/-0.5°C)
Occupancy Sensing	Maximum Detection Distance: 9m, Maximum Detection Angle: 120°
Diagnostic Connection	USB-Type C
RF Interface	ZigBee 3.0, Frequency Band: 2.4GHZ
APP System	Android 8.0 or higher
Battery Life	24 Months
Approvals	UL62368-1; FCC Part 15B; Part 15.247; Part 15.249

CARTON DIMENSIONS

Quantity	10
Dimensions	14.01" x 8.15" x 8.54" (35.6cm x 20.7cm x 21.7cm)
Weight	10.8lbs (4,900g)

CONTROLLER CARD SPECIFICATIONS

Product Dimensions	3.9"x2.4"x1" (10cm x 6.0cm x 2.4cm)
Mounting Type	Double-sided tape
HVAC System	PTAC/VTAC/Heat Pump
Power Requirements	Input 24V AC ~50/60Hz 0.5A with "C" common wire
Recommended Wire	24 Gauge
Number of Keys	1 Pair Button
LED Indicator	1, Dual Color
Outputs	Output 0.5A MAX @24VAC
RF Interface	ZigBee 3.0, Frequency Band: 2.4GHZ
APP System	Android 8.0 or higher
Approvals	UL60730-1;UL60730-2-9; FCC Part 15B; Part 15.247; Part 15.249

CONTROLLER CARD INSTALLATION - WIRING TABLE

WIRE COLOR	CONVENTIONAL SYSTEM	HEAT PUMP SYSTEM
Black	C - 24VAC Common Wire	C - 24VAC Common Wire
Red	R - 24VAC Power	R - 24VAC Power
Yellow	Y1 or W3 - 1ST Stage of Compressor Relay/3RD Stage of Heat Relay	Y1 - 1ST Stage of Compressor Relay
White	W1 - 1ST Stage of Heat Relay	W1 or Y2 - Aux Heat/1ST Stage of Heat/2ND Stage of Compressor Relay
Orange	O/B or W2 - Not Used/2ND Stage of Heat Relay	O/B - Changeover Valve Relay
Green	GH - Fan Relay, High	GH - Fan Relay, High
Purple	GL - Fan Relay, Low	GL - Fan Relay, Low
Brown	AUX - Occupancy Out	AUX or E - Occupancy Out/Emergency Heat

VTech cares about the environment. **Click Here** to learn more about our global sustainability efforts.

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