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vtech E-Smart W960 Wireless Thermostat Owner's Manual

Contents

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vtech E-Smart W960 Wireless Thermostat

Product Information

The E-Smart W960 Wireless Thermostat Space Gray is an advanced thermostat designed to provide efficient temperature control in PTAC/VTAC/Heat Pump HVAC systems. It features an A.I. (Artificial Intelligence) technology that enables occupancy detection and reduces energy consumption. The thermostat has a sleek design with a 1.3-inch OLED display and 4 touch keys for easy operation. It also has an antibacterial coating for added hygiene. The wireless thermostat comes with a controller card that is responsible for managing the HVAC system. It has a compact size and can be easily mounted using double-sided tape. The controller card is equipped with a dual-color LED indicator and a pair button for control. It communicates with the thermostat using ZigBee 3.0 RF interface. Both the thermostat and controller card are compatible with Android 8.0 or higher and can be controlled using the provided mobile app. The wireless thermostat operates on 4 AAA alkaline batteries, providing a battery life of up to 24 months. It has a USB-Type C diagnostic connection for troubleshooting purposes. The product has undergone various approvals including UL62368-1, FCC Part 15B, Part 15.247, and Part 15.249. Carton Dimensions: Quantity – 10, Dimensions – 14.01 x 8.15 x 8.54 inches, Weight – 10.8 lbs.

Product Usage Instructions

To install the E-Smart W960 Wireless Thermostat, follow these steps:

1. Choose a suitable location on the wall for mounting the thermostat.
2. Ensure that the HVAC system is turned off before proceeding with the installation.
3. Use appropriate screws or adhesive to securely mount the thermostat on the wall surface.
4. Connect the thermostat to the HVAC system using the recommended wire gauge and wire color convention mentioned in the installation wiring table.
5. Insert 4 AAA alkaline batteries into the battery compartment of the thermostat.
6. Turn on the HVAC system and configure the thermostat settings using the mobile app or by directly interacting with the thermostat.

7. The thermostat will automatically detect occupancy and adjust temperature settings accordingly to optimize energy consumption.

For any further assistance or troubleshooting, refer to the user manual or contact VTech support.

PACKAGE CONTENTS

E-Smart W960 Wireless Thermostat
Space Gray

Controller Card

Occupancy Detection

Antibacterial Coating

Reduce Energy Consumption

RoHS Compliant

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

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.

CONTACT

- **sales@vtechhotelphones.com**. (US)
- **hotelsupport@vtecheurope.com**. (Other Countries)
- **vtechhotelphones.com** .
- 888.714.7385

Vtech W960 E-Smart Wireless Thermostat User Manual

Documents / Resources

	vtech E-Smart W960 Wireless Thermostat [pdf] Owner's Manual W960, E-Smart W960, E-Smart W960 Wireless Thermostat, Wireless Thermostat, Thermostat
	Vtech E-Smart W960 Wireless Thermostat [pdf] Instruction Manual E-Smart W960 Wireless Thermostat, W960 Wireless Thermostat, Wireless Thermostat, Thermostat
	vtech E-Smart W960 Wireless Thermostat [pdf] User Guide W960, E-Smart W960, E-Smart W960 Wireless Thermostat, Wireless Thermostat, Thermostat

References

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