

Defining the A.I. Thermostat





**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
- Multi-point wireless HVAC control
- A.I. temperature control
- Compatible with most wired HVAC systems
- Occupancy detection
- E-Smart configuration tool with firmware upgrade capability
- ZigBee 3.0 compatible
- Antibacterial coating tested to inhibit 99.9% of bacteria growth

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 through and advanced A.I. environmental learning algorithm
- Multi-point wireless technology allows multiple thermostats to be networked to control a single HVAC system
- 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 and other devices in the room

INCLUDED IN THE BOX

- Thermostat
- Controller Card
- Wiring Harness
- Deco Plate

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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) or USB-Type C (DC5V 1A) |
| Display | 1.3" (128 x 64) OLED |
| Number of Keys | 4 Touch Keys |
| LED Indicator | 1, Red |
| Standard Deadband | 2°F or 1°C Between Heating & Cooling |
| Temperature Range | 33-99°F (+/-1°F) / 1-37°C (+/-0.5°C) |
| Occupancy Sensing | PIR FOV: 100° @23' (7 meters) |
| Diagnostic Connection | USB-Type C |
| RF Interface | ZigBee 3.0, Frequency Band: 2.4GHZ |
| APP System | Android |
| Battery Life | 24 Months |
| Approvals | EN 60730-1, En 60730-2-9; UL (IEC) UL60730-1, UL764C, UL60790-2-9; CSA (IEC) CAN/CSA 60730-2-9 |

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 | 3.4" 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) or USB-Type C (DC5V 1A) |
| Recommended Wire | 18 Gauge |
| Number of Keys | 1 Pair Button |
| LED Indicator | 1, Dual Color |
| Outputs | 6 On-board Relays for Fan Hi/Lo, Heat & Cool, etc. |
| RF Interface | ZigBee 3.0, Frequency Band: 2.4GHZ |
| APP System | Android |
| Approvals | EN 60730-1, En 60730-2-9; UL (IEC) UL60730-1, UL764C, UL60790-2-9; CSA (IEC) CAN/CSA 60730-2-9 |

CONTROLLER CARD INSTALLATION - WIRING TABLE

| WIRE COLOR | TERMINAL LETTER | TERMINAL CONNECTION |
|------------|-----------------|---------------------|
| Black | C | COMMON |
| Red | R | 24VAC |
| Yellow | Y | COMPRESSOR |
| White | W | HEAT |
| Orange | O/B | REVERSE VALVE |
| Green | GH | FAN HIGH |
| Purple | GL | FAN LOW |
| Brown | AUX | OCCUPANCY OUT |



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