



# Zigbee Thermostat TBH300

Universal Electronics specializes in the design and manufacturing of commercial-grade products that a hotelier needs to improve guest comfort with simplified installation.

The TBH300 is a versatile thermostat that is easy to use and has classic features like a large, easy to read, backlit display, accurate operation, and manual overrides. The TBH300 thermostat is wired directly to the existing HVAC system and is designed for easy in-room control.

With installation simple enough to do it yourself and compatibility with many systems, the TBH300 thermostat has all the features you want to enable guests to control their comfort during their stay.

### TBH300 with Ruckus IoT Suite

- Streamlined onboarding process of the TBH300 thermostat to the Ruckus IoT Suite Dashboard
- Advance thermostat setup streamlines the in-room installation
- Temperature setpoints to auto set when the room is vacant or unoccupied
- Monitor HVAC system and potential maintenance based on runtime metrics



### Product USPs



Heating / Cooling



Hospitality



Energy Savings

# Features

- Large LCD with white backlight
- Local temperature display
- System Mode (Off, Auto, Heat, Cool)
- Fan control: On, Auto
- Setback unoccupied setpoint for energy saving
- Internal temperature and humidity sensor
- On-screen setup of HVAC type, fan type, changeover type for HP systems, F/C mode and sensor calibration
- Degrees in Fahrenheit or Celsius
- Compatible with the majority of conventional HVAC systems
- Works with 24VAC power wiring
- Thermostats available in White or Black



Motion Sensor



Door/ Window Sensor



Firefighter



Flood Sensor

## Compatible Zigbee Sensors

- PIRZB2-ECO Motion Sensor
- DWZB1-ECO Door/ Window Sensor
- FLZB1-ECO Flood Sensor
- FFZB1-ECO Firefighter



# Specifications

## Power

- 24VAC operation requires both 24VAC (R) and 24VAC common (C) wires from the HVAC system
- Wiring Requirements: Uses standard thermostat connections, (C, RC, RH, W1, W2/O, Y1, Y2, G) - 18 AWG

## HVAC System Compatibility

- Fancoil: 1-stage heating, 2-stage cooling, 2 or 3-speed fan
- Heat Pump HVAC Systems: 3-stage heating, 2-stage cooling
- Standard gas/electric HVAC Systems: 2-stage heating, 2-stage cooling
- HVAC modes: Off, Heat, Cool, Four Fan Modes (Auto, On-Low, On-Med., On-High)

## Interactivity

- User interface: On-screen setup of HVAC type, fan type, changeover type for HP systems, F/C mode and sensor calibration, 4 capacitive touch keys (up/down, fan, mode), Fixed format display with 7 letter message bar and backlight

## Interoperability

- Temperature sensor (Onboard)
- Humidity sensor (Onboard)
- Compatible with Zigbee sensors, including door/window and occupancy

## Compliance

- RF Regulation: FCC CFR47 Part 15 (US), Industry Canada RSS 210, Issue 8

## Dimensions

- Product Dimensions INCH (LxWxH): 5.00x4.75x0.75
- Product Dimensions MM (LxWxH): 127x120.7x19.1