# 24V Thermostat Intelligent Room Controller

ENIT


## Basic Operation

The Entuit Thermostat uses wireless communication to provide quick and easy implementation of the energy-saving HVAC controls. When the thermostat receives an "occupied" signal from any of Entuit's wireless switch or sensor, the user immediately gains full control of the HVAC settings. When the thermostat receives an "unoccupied" signal, it sets the room back to the preset unoccupied temperature. When used with Entuit's Gateway, the thermostat can also be connected to LON and BACNet HVAC control systems.

## Save Energy and Money

- Responds automatically to the Entuit keycard switch (ENKC), motion sensor (ENML), and window / door sensor (ENDS).
- Great for office, classroom, hotel room, or dorm room.
- Optional manual controls.
- Two-way communication.
- Humidity sensor.

## User Controlled

Control the Thermostat with a variety of Entuit's devices:

- Wireless or wired occupancy sensors.
- Window / Door sensors.
- Key Card Access Switch.
- Smartphone.
- Venergy UI Software.

## Easy to Use

- Installs in minutes.
- Easy configuration.
- Campatible with virtually all systems and configurations.

## Reliable Range

- 50-150 foot range (typical)
- Compatable with many of Entuit's devices.
- Error-checking ensures response only to appropriate wireless transmitters
- Single transmitter can control and unlimited number of Entuit Thermostats within range.
- Built-in repeater function for extending the range of other Entuit Devices.

## Ordering Information

| Product number: | Description: |
|---|---|
| ENIT | 24V Wireless Thermostat |

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## All of the Thermostat's settings can be customized, thus making your Thermostat secure.

### With Entuit's new Smart Thermostat, we have included some must-have features for property owners:

- The Guest does not have access to any internal menu operations therefore prohibiting the guest from altering any settings on the thermostat. This then eliminates the guest's ability to tamper with the energy management system.
- Real time clock.
- Night-Time occupancy Set Back based on property's pre-determined nightly time schedule.
  (For example: If the occupancy override is enabled, and the time is set between 9:30pm and 7:00am, when the system detects occupancy one time, it will automatically stay in occupied mode for the duration of the time period. This advanced technology will prevent any false Set Backs during night time, and ultimately prevent any guest uncomfort or complaints. )

| SPECIFICATIONS | |
|---|---|
| Range | 50-150 feet (typical) |
| Frequency | 315MHz / 868MHz / 902MHz |
| Input Voltage | 24V |
| Max Loads | 24V(1.5amp/circuit) |
| Temperature Monitor Range | 32°F to 99.9°F (0°C to 37.7°C) |
| Temperature Set Point Range | 60°F to 85°F (15.5°C to 29.5°C) |
| Operating Temperatures | 14° to 131° F (-10° to 55° C) |
| Storage Temperature | -4° to 131° F ( -20° to 55° C) |
| Sampling Rate | Every 5 seconds |
| Display format | Liquid Crystal Display (LCD) |
| Fan Control | Selectable: Auto Cycle, Low, Medium, High, Economy, Off |
| Memory | Stores up to 30 switch IDs |
| Accuracy | + / - 1°F (0.5°C) |
| Heat / Cool Control | 1 Heat and 1 Cool circuit;<br>Heat pump reversing valve circuit |
| Dimensions | 3.5" x 5.0" x 1.5" |
| Radio Certifications | FCC (U.S. SZV-TCM2XXC); |
| | IC (Canada 5713A-TCM2XXC) |

| BIDIRECTIONAL DATA FLOW | |
|---|---|
| **Remotely Configure:** | **Monitor** |
| Edit set-points | Temperature / set-point |
| Configure Occupied/Unoccupied | Humidity |
| Change Configuration | Fan Status |
| Limit User Capabilities | Compressor Status |
| ser™ Technology | Valve Status |
| (Including relative and absolute set-point correction) | Pipe Temperature |
| Fan Control | Mode (heating / cooling) |
| Mode Control (heating / cooling) | |


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