Wireless Thermostat (WTS10)

Daintree Wireless Solution
The Wireless Thermostat (WTS10) is part of the Daintree product portfolio, an open networked wireless controls solution for lighting and building control, monitoring, and optimization. Daintree controls provide a highly scalable solution to address evolving environmental regulations and transform spaces into intelligent environments for buildings of all sizes.

Consisting of three components, Daintree includes sensors and controls at the edge, an open API cloud platform, and software apps to help facility managers make decisions based on how space and assets are actually being used using a data-rich sensor network. Benefits of adding wireless Daintree controls include:

- Up to 50% Energy savings across lighting, HVAC, plugload, fans and more
- Visibility into energy usage, trends and insights to optimize operations
- Automated demand response, superior comfort and lower maintenance expense

Daintree Wireless Solutions Product Overview
The WTS10 is a wireless commercial programmable thermostat that can connect to any single or multi-stage conventional or heat pump HVAC system, providing automatic temperature control. As part of the ControlScope system and using industry standard ZigBee wireless communications, the WTS10 can be centrally managed and programmed from any location using the ControlScope Manager (CSM) web application, eliminating the need for on-site, manual thermostat adjustment.

- Typically used in buildings under 50,000 square feet
  - Small box retail
  - Food service
  - Convenience store
  - Small/branch/field commercial office
- For use with single zone packaged rooftop units
- Remote thermostat configuration and scheduling
- Built-in temperature sensor or wireless remote temperature sensor capable
- Online monitoring of thermostat and temperature status
- Over-the-air (OTA) firmware upgrade support
Wireless Thermostat (WTS10)

ControlScope Manager Integration

The WTS10 Wireless Thermostat is supported by the ControlScope Manager web application, providing complete online access to manage thermostat settings across one or multiple facilities.

Control thermostat settings remotely, such as:

- Heating and cooling set points
- Operation mode
- Fan mode
- Keypad multi-level lockout

Monitor the thermostat state in the Floorplan view:

Generate reports providing trending data that includes:

- Current temperature
- Temperature cooling and heating set points
- Occupancy/vacancy periods
- Heating/cooling/fan state changes

Remotely program the thermostat schedule:

Monitor the thermostat state in the Zones view:
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Warranty
GE offers 24 x 7 support with a 30-minute rapid response time for technical issues. The average tenure of GE’s support is 10 years and a 93% overall satisfaction rating.

The table below summarizes the warranty period for all components of the Daintree system.

<table>
<thead>
<tr>
<th>Component</th>
<th>Warranty Period</th>
<th>Coverage Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daintree Software</td>
<td>1 year (on-premise installed Software) 3 years</td>
<td>GE warrants that as long as all applicable fees due are paid, Daintree Software will substantially conform to the applicable published documentation and published specifications for the Warranty Period.</td>
</tr>
<tr>
<td>System Controller</td>
<td>3 years</td>
<td>100% parts coverage. Warranty for non-Daintree software (such as operating system software) is provided by the respective software. GE makes no warranty with respect to non-Daintree software.</td>
</tr>
<tr>
<td>WACs</td>
<td>5 years</td>
<td>100% parts coverage</td>
</tr>
<tr>
<td>Wireless Adapters</td>
<td>5 years</td>
<td>100% parts coverage</td>
</tr>
<tr>
<td>Wireless Devices</td>
<td>5 years</td>
<td>100% parts coverage, excluding batteries</td>
</tr>
<tr>
<td>Wireless Thermostats</td>
<td>2 years</td>
<td>100% parts coverage</td>
</tr>
</tbody>
</table>

Specifications

Dimensions | 136mm (L) x 106mm (H) x 27mm (D) |
Indicators  | White LCD backlight: 5 sec after SYS/FAN key press, 30 sec after other key press. LEDs (Orange, Multi-color): Network status, Error |
Time Display | 12 hours AM/PM with day and date display |
System Mode | OFF – HEAT – COOL – AUTO – EM HEAT |
Fan Mode    | AUTO – ON |
Keypad Lockout | Unlocked. Lockout level 1: locks all except setpoints, system mode and fan mode. Lockout level 2: locks all except setpoints. Fully locked. |
Temperature sensor | Built-in or Remote (wireless connectivity) |
Temperature Measurement | Fahrenheit or Celsius. Display range: 14°F – 99°F (5°C – 37°C). Display resolution: 1°F (1°C). Setting range: 45°F – 90°F (7.0°C – 32.0°C). Setting resolution: 1°F (0.5°C). Accuracy: +/- 1°F @ 75°F |
Control | Switching differential: 1st stage: User selectable, 0.5°F, 1.0°F, 2.0°F (0.25°C, 0.5°C, 1.0°C). Default = 0.5°F (0.25°C). Switching differential 2nd stage: Fixed 2°F (1°C). Switching differential 3rd stage: Fixed 2°F (1°C). Operational differential: Less than +/- 2°F. Control timing: Compressor short cycle timer – 5 min. Residual cooling fan delay: User selectable, 0 (disabled), 30, 60, 90 sec. Default = 60 sec |
Switching Circuit | Control Switches: Latching type relay, 2A max load per relay. Relays: 1st stage/Aux heating control. 2nd stage/Emergency heating control. Fan Control. Heating/Cooling O/B control, 3rd stage conventional heat control. 1st stage cooling control / 1st stage heat-pump heating control. 2nd stage cooling control / 2nd stage heat-pump heating control |
Operating Environment | 32°F to +113°F (0°C – 45°C). Indoor Use Only |
Radio Properties | 2405 – 2475MHz. Transmit Power max 10dbm |
Power Supply | 24VAC, 50Hz |

Current declares that the radio equipment type (WTS10) complies with Directive 2014/53/EU.

Full declaration text available at: www.LED.com
Max. radiated power: <10 dBM. Frequency: 2405 - 2475 MHz.