Temperature Control from Lutron®

TouchPRO Wireless™ thermostat

seeTemp™ wall control in White

Home Control+ app
Use Lutron’s Home Control+ app to manage your home’s temperature while at home or while you’re away.
Why temperature control?

Lutron light and shade controls have always saved energy. So, expanding our energy-saving solutions beyond light control was only natural.

Lutron temperature controls are designed to work in conjunction with our total home control systems and provide convenience, flexibility and energy savings in an aesthetically pleasing design.

Saving energy with temperature control

Heating and cooling accounts for more than 40% of a typical home’s energy use. Controlling temperature with a programmable thermostat can help you save 16% of the energy used on HVAC.*

Typical home’s energy use

Heating 29%
Cooling 17%
Water Heating 14%
Appliances 13%
Lighting 12%
Electronics 4%
Other 11%

(includes refrigerator, dishwasher, clothes washer and dryer)

(includes computer and monitor and TV and DVD player)

(includes external power adapters, telephony, set-top boxes, ceiling fans, vent fans and home audio)

* www.energystar.gov

Two thermostat options

Lutron offers two thermostat options—an all-in-one design, and a 3-part solution. Whether you choose the familiar look of an on-wall touchscreen thermostat, or opt to minimize the visible equipment with the HVAC controller and wireless temperature sensor, you’ll enjoy the same great system features and benefits.

TouchPRO Wireless thermostat
An all-in-one solution that combines the trusted Honeywell brand with Lutron innovation. It looks like a conventional thermostat, is easy to install and program, and is a simple way to add temperature control to a Lutron® total home control system.

The TouchPRO Wireless is compatible with seeTemp™ wall controls, making it easy to add additional points of control.

3-part thermostat
An out of view HVAC controller replaces the wall-mounted thermostat. It communicates with a wireless temperature sensor and seeTemp wall controls via Clear Connect™ RF technology to simplify installation and ensure reliable operation.

Temperature control from Lutron® is available for RadioRA® 2 and HomeWorks® QS total home control systems.
System Diagrams

Temperature control using the TouchPRO Wireless™ thermostat

- TouchPRO Wireless™ thermostat
- seeTemp™ wall control
- iPad® bedside keypad
- Wireless router
- Clear Connect™ RF technology
- Ethernet
- Thermostat wire
- WiFi

*or HomeWorks® QS processor and Hybrid Repeater
Temperature control using the 3-part thermostat

- Clear Connect™ RF technology
- Ethernet
- Sensor wire to wired return air duct sensor
- Thermostat wire
- WiFi

*or HomeWorks® QS processor and Hybrid Repeater
TouchPRO Wireless™
with Clear Connect™ technology

- Designed by Honeywell and communicates via Lutron® Clear Connect RF Technology
- Features an intuitive touchscreen interface
- Easy installation—replaces existing thermostat
- Compatible with designer seeTemp™ wall controls
- Create energy-saving schedules using Home Control+ app
- Control temperature from keypads, sensors, mobile devices and third-party control systems
- Wired temperature sensor connection for remote indoor or outdoor sensor

Note: TouchPRO Wireless thermostat should be installed by a professional HVAC contractor.
seeTemp™ wall control

- eco button adjusts temperature 2° F to save energy without sacrificing comfort
- Celsius and Fahrenheit versions available
- Multiple seeTemp wall controls may be used—providing multi-location control
- Communicates via Lutron® Clear Connect™ RF Technology to ensure reliable communication and consistent performance

Celsius version also available

Door conceals mode buttons and opens 180° for easy access

Shown actual size
3-Part Thermostat Features

HVAC controller

- Connects to and controls HVAC equipment using standard low-voltage thermostat wiring
- Integrates temperature control with a Lutron whole-home control system
- Communicates via Lutron® Clear Connect™ RF Technology
- Includes wired return air duct sensor (required)

**Note:** HVAC controller should be installed by a professional HVAC contractor

Wireless temperature sensor

- No wires—5 year battery life
- If more than one sensor is associated with an HVAC controller, temperatures are averaged
- Communicates via Lutron Clear Connect RF Technology
- Compatible only with the HVAC controller
- Maximum of 5 wireless temperature sensors per RadioRA® 2 main repeater or HomeWorks® QS RF link
seeTemp™ wall control

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- Celsius and Fahrenheit versions available
- Multiple seeTemp wall controls may be used—providing multi-location control
- Communicates via Lutron® Clear Connect™ RF Technology to ensure reliable communication and consistent performance
System Control Options

iPad, iPhone, iPod touch*, Android†
View the current temperature, adjust the set point and system mode, and manage your thermostat schedule using Lutron’s Home Control+ app. Use it for convenience while at home or while you’re away.

seeTouch® keypads
Include temperature control in whole-home scenes like a “Goodnight” scene. When you press the “Goodnight” button the lights turn off and temperature sets back a few degrees to save energy overnight.

While you’re away
If you’re going on vacation, your system can run a series of lighting events that make your home look occupied. It can also maintain an energy-saving set point.

* iPhone, iPod touch, and iPad are registered trademarks of Apple®, Inc., registered in the U.S. and other countries.
† Android is a trademark of Google Inc. Use of this trademark is subject to Google Permissions.
3rd-party integration
View the current temperature and adjust the set point and system mode from your favorite home automation system or programmable remote control. Temperature control commands are available using Lutron’s integration protocol via RS-232 or IP.

Occupancy/vacancy sensors
Lutron’s Radio Powr Savr™ occupancy sensors can select a set point when a space is occupied, and another when the space is vacant, automatically saving energy when no one is around.

HVAC schedule
Automatically control your temperature to save energy using the 7-day, 4-event HVAC schedule. The schedule includes recommended settings to save energy and maintain comfort.
Aesthetics

- The seeTemp wall control’s elegant, slim design allows it to blend in with a room’s décor.
- Reduce wall clutter by installing the seeTemp wall control in any wallbox, either ganged with dimmers and keypads or on its own.
- The seeTemp wall control is available in gloss and Satin Colors (shown above, right) to match any décor.
Energy savings

- Save up to 16% of the energy used on HVAC† with Lutron temperature control.
- Use temperature scheduling to automatically reduce HVAC use at night, while away, or during other times it isn’t needed.
- Use the “Green” button (shown above) to control lights, shades, appliances and temperature as part of a whole home system. The “Green” button dims lights 5%, lowers shades to block heat gain and sets back the temperature 2º F. You can save more by personalizing these settings.

Convenience

- Control the temperature from anywhere via seeTemp™ wall controls, system keypads, your iPads®, iPhone®, iPod touch*, Android™†, or 3rd-party remote controls and touchscreens.
- Automatically schedule your thermostat to turn off after you leave for work and turn on before you return.

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† Android is a trademark of Google Inc. Use of this trademark is subject to Google Permissions.
‡ www.energystar.gov
## HVAC System Compatibility

<table>
<thead>
<tr>
<th>HVAC Type</th>
<th>TouchPRO Wireless</th>
<th>HVAC Controller</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Stage Cool</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Two Stage Cool</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Single Stage Heat</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Two Stage Heat</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Packaged Roof Top Units</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Heat Pump</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Dual Fuel Systems</td>
<td>Yes</td>
<td>Yes*</td>
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<tr>
<td>Geothermal Heat Pump</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Heat Pump with Auxiliary Electric (Emergency) Heat</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Typical Variable Speed Fan (Equipment Controlled)</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Multi-Zone Systems (Controllable Dampers)</td>
<td>Yes‡</td>
<td>Yes‡</td>
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<tr>
<td>In-Floor Radiant Heat</td>
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<td>Yes</td>
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<tr>
<td>Line Voltage Electric Baseboard</td>
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<tr>
<td>Mili-Volt System</td>
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<tr>
<td>Proprietary/Digital Control System</td>
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<tr>
<td>Variable Speed Fan (Independent Relays)</td>
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<tr>
<td>Humidity Control</td>
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<tr>
<td>Humidity Sensing</td>
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<td>No</td>
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<tr>
<td>Outdoor Temperature Sensing</td>
<td>Yes‡</td>
<td>No</td>
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</tbody>
</table>

* Requires a separate Fossil Fuel Kit not sold by Lutron
† Requires a separate Zone Controller not sold by Lutron
‡ Outdoor temperature only displayed on the thermostat screen
### Ordering Information

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Image</th>
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</thead>
<tbody>
<tr>
<td>LRD-WST-F-XX*</td>
<td>seeTemp wall control (Fahrenheit)</td>
<td><img src="image1" alt="Image" /></td>
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<tr>
<td>LRD-WST-C-XX*</td>
<td>seeTemp wall control (Celsius)</td>
<td><img src="image2" alt="Image" /></td>
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<tr>
<td>LRF2-TWRB-XX†</td>
<td>Wireless temperature sensor</td>
<td><img src="image3" alt="Image" /></td>
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<tr>
<td>LR-TEMP-FLSH</td>
<td>Flush-mount temperature sensor</td>
<td><img src="image4" alt="Image" /></td>
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<tr>
<td>LR-HVAC-INT-XX†</td>
<td>Temperature control integration package (1) LRF2-TWRB-XX†</td>
<td><img src="image5" alt="Image" /></td>
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<tr>
<td>LR-HVAC-INT-FLSH</td>
<td>Temperature control integration package (flush-mount) (1)</td>
<td><img src="image6" alt="Image" /></td>
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<tr>
<td>LR-HVAC-PKG-WH</td>
<td>Temperature control package with Fahrenheit seeTemp (1)</td>
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<tr>
<td>LR-HVAC-PKG-C-WH</td>
<td>Temperature control package with Celsius seeTemp (1)</td>
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<tr>
<td>LR-HWLV-HVAC</td>
<td>TouchPRO° Wireless thermostat</td>
<td><img src="image9" alt="Image" /></td>
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</tbody>
</table>

* Available in 27 gloss and Satin Colors®
† Available in Snow (SW) or Midnight (MN)