



# How To Select The Right Honeywell Thermostat For Your Comfort Zone

Whether your current thermostat simply needs replacement or you're upgrading for better energy efficiency, Honeywell has the right thermostat for you. For more than a century, homeowners have been depending upon Honeywell home comfort innovations. If you don't see a thermostat you want or need more information, just visit [yourhome.honeywell.com](http://yourhome.honeywell.com) or call 1-800-468-1502.

## Step 1: Identify your heating/cooling system

**IMPORTANT:** Thermostats are designed to work with specific heating/cooling systems, so it's essential that you know your system type to avoid purchasing the wrong style.

**Central Heat or Central Heat & Air** — The most common system. Can be 24V gas or oil, hot water or electric.

**Heat Pump** — Heating and air conditioning combined into one unit. Can be single- or multi-stage.

**Fireplace/Floor/Wall Furnace** — Millivolt or 24V heating systems.

**Electric Baseboard** — Convector, fan-forced heaters, electric baseboards and radiant ceilings.

## Step 2: Choose your thermostat type

**Programmable** — Makes the most efficient use of your system by automatically adjusting the set temperature throughout the day. You let the thermostat know your preferred temperature at different times of the day and night, then forget about it — the thermostat does the work. Best for people on the go or those seeking the most efficient energy savings.

*See Step 3 for different programmable thermostat options.*

**Digital Non-Programmable** — Non-programmable thermostat with a digital readout. Best for people who prefer manually controlled settings with the convenience of an easy-to-read LCD display.

**Mechanical/Manual** — Control the temperature setting manually. Best for people who are home often and prefer a fixed temperature.

## Step 3

For programmable thermostats, select the options that best fit your lifestyle

**7-Day** — Ultimate flexibility. Set up to four program periods per day, every day. Great for people with busy schedules.

**M T W T F S S**

**5-1-1-Day** — One program for the weekdays; a separate program for Saturday and Sunday. Up to four program periods per day.

**M T W T F S S**

**5-2-Day** — Allows up to four programs per day, with separate programming for weekdays and weekends.

**M T W T F S S**

**1 Week** — One program for the entire week with 4 program periods.

**M T W T F S S**

# What To Look For

All thermostats share one common feature — a way to set the temperature. After that, every thermostat is different in terms of accuracy, reliability, number of features, display size and more. Here are a few features you should consider when choosing your thermostat.

- Menu-Driven Programming.** Some programmable thermostats can be difficult to program, but menu-driven programming guides you through the process much like using an ATM.
- Easy-To-Read Displays.** An easy-to-view dial or a backlit screen makes using the thermostat a pleasure. Many Honeywell models show both the set and current temperature, and some models also display the current time.
- Energy Savings.** Save up to 33% on energy costs\* with a programmable thermostat
- Smart Response® Technology.** Knowing exactly how to plan your programming to make sure your home is heated or cooled at the right time can be hit or miss. Honeywell thermostats with Smart Response Technology take the guesswork out of programming to maximize comfort and energy savings.
- Auto Change From Heat To Cool.** Automatically determines if your home needs heating or cooling to provide maximum comfort.
- 4 Programmable Periods Per Day.** Honeywell programmable thermostats allow settings for wake, leave, return and sleep to provide you with a full day of energy savings.
- Precise Temperature Control.** Industry leading +/-1° accuracy maintains comfort.
- Permanent Day and Time.** All programming information is saved in the event of a power outage.
- Filter Change Reminder.** Keep your system operating at peak performance.

\*If used as directed. Savings may vary depending on geographic region and usage.

## How To Install

- 1 Turn off power and remove old thermostat.
- 2 Label wires to match coded terminals.
- 3 Install backplate and connect wiring.
- 4 Mount thermostat on backplate.

**15** Designed to install in 15 minutes or less.

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## Thermostats



## Be Confident With Honeywell

Honeywell has been inventing and perfecting thermostats since 1885 and is the number one choice of homeowners and contractors. You can count on Honeywell products for superior design, engineering and efficiency.



## Here To Help

If you have any questions about Honeywell thermostats, call our toll-free consumer hotline at 1-800-468-1502 or visit [yourhome.honeywell.com](http://yourhome.honeywell.com).

## Automation and Control Solutions

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**A Complete Selection From The Number One Name In Comfort.**





## PROGRAMMABLE

### 1 7-Day Touchscreen Programmable Thermostat RTH7600D

- Easy to use touchscreen display
- Backlit display
- Auto change from heat to cool
- Smart Response Technology
- Filter change reminder
- Precise temperature control of +/-1° F
- Permanent day & time
- Daylight saving time option
- Optional battery free installation
- Compatible with heating and cooling systems plus heat pump systems

### 3 5-1-1 Day Programmable Thermostat RTH6450D

- Easy to use
- Backlit display
- Smart Response Technology
- Precise temperature control of +/-1° F
- Auto change from heat to cool
- Compatible with heating and cooling systems plus heat pump systems

### 4 5-2 Day Programmable Thermostat RTH6350D

- Easy to use
- Backlit display
- Smart Response Technology
- Precise temperature control of +/-1° F
- Compatible with heating and cooling systems plus heat pump systems

### 2 7-Day Programmable Thermostat RTH7500D

- Easy to use
- Backlit display
- Auto change from heat to cool
- Smart Response Technology
- Filter change reminder
- Precise temperature control of +/-1° F
- Permanent day & time
- Daylight saving time optional
- Optional battery free installation
- Compatible with heating and cooling systems plus heat pump systems



## PROGRAMMABLE

### 5 5-2 Day Programmable Thermostat RTH2310B

- Easy to use
- Backlit display
- Early start function
- Filter change reminder
- Precise temperature control of +/-1° F
- Compatible with heating and cooling systems

### 6 7-Day Programmable Décor Thermostat RTH2520B

- Includes changeable faceplates for customizing appearance ( Titanium, Charcoal, Taupe )
- Enhance your home's décor
- Easy to use
- Backlit display
- Early start function
- Filter change reminder
- Precise temperature control of +/-1° F
- Compatible with heating and cooling systems

### 7 5-2 Day Programmable for Electric Baseboard Heat Only RLV430A

- TRIAC silent switching for accurate temperature control of +/-1° F
- 2-wire
- Compatible with fan-forced heaters
- Compatible with electric baseboards (120-240 V), convectors and radiant ceilings

### 8 1-Week Basic Programmable Thermostat RTH221B

- Easy to use
- Precise temperature control of +/-1° F
- Sleek, one-piece design
- Compatible with heating and cooling systems



**A PROGRAMMABLE THERMOSTAT CAN SAVE YOU UP TO 33% OFF YOUR ENERGY BILL.\***

\* If used as directed. Savings may vary depending on geographic region and usage.

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## DIGITAL NON-PROGRAMMABLE

### 9 RTH5100B

- Large, backlit digital display
- Easy-access battery door
- Auto change from heat to cool
- Setpoint is retained in the event of a power outage
- Precise temperature control of +/-1° F
- Compatible with heating and cooling systems plus heat pump without back-up heat

### 10 RTH1100B

- Easy-to-read backlit display
- Set-point is retained in the event of a power outage
- Precise temperature control of +/-1° F
- Compatible with heating and cooling systems

### 11 Heat Pumps Only RTH3100C

- Easy to install and use
- Emergency and auxiliary heat light indication
- Precise temperature control of +/-1° F
- Compatible with heat pumps with auxiliary heat

### 12 RTH111B

- Sleek, one-piece design
- Precise temperature control of +/-1° F
- Easy to use and install
- Compatible with heating and cooling systems

### 13 Electric Baseboard Heat Only RLV310A

- TRIAC silent switching for accurate temperature control of +/-1° F
- 2 wire
- Compatible with electric baseboards (120 - 240V), convectors and radiant ceilings



## MECHANICAL NON-PROGRAMMABLE

### 14 The Round™ CT87K/CT87N

- World's most-popular thermostat
- Precise temperature control of +/-1° F
- Available in heat only (CT87K) and heat/cool models (CT87N)
- Easy to install and use
- Compatible with heating and cooling systems

### 15 CT30A/CT31A/CT33A

- Snap action switching
- Precise temperature control
- Available in heat only (CT30A), Heat/cool (CT31A) and 750 millivolt Heating Systems (CT33) models.
- Compatible with heating and cooling systems

### 16 CT50K/CT51N/CT53K

- Standard model
- Precise temperature control
- Available in heat only (CT50K) and heat/cool (CT51N) models
- Also Available in Fireplace/Floor/Wall Furnace (CT53K) models
- Low temperature version available with scale 35° - 85° F. (CT50K1028)
- Compatible with heating and cooling systems

### 17 Electric Baseboard Heat Only CT410B

- Easy to install
- Bimetal temperature sensor
- 4-wires; positive off
- Compatible with electric baseboard heat (120 - 240V) and convectors (120-240V)



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