

# Honeywell

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## Electronic Heat-Pump Thermostat

T8501, T8511, T8524



**OWNER'S GUIDE**



69-1629-1

# FEATURES

Comfort is achieved through matching the correct equipment and controls. This thermostat is designed to provide the maximum comfort for your needs. Some of the basic offerings are:

- *Simple and easy to use.* The ▲ and ▼ keys make it easy for you to change your temperature setting.
- *Large digital display.* You can easily read the current room temperature at a glance.
- *No need for batteries.* Batteries are not required because your temperature settings are held permanently in memory.
- *Backlit display.* Turns on with the touch of any key. Helps you read the display in a dark hallway.

# SETTINGS

## Setting SYSTEM and FAN Keys

Change System and Fan settings with System and Fan keys inside thermostat door.

### First set the SYSTEM key:

**Cool:** Normal setting for months when your home needs air conditioning. Digital display shows snowflake ❄️ when cooling is on.

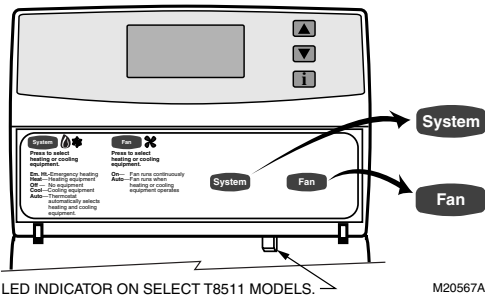
**Off:** Both heating and cooling are off.

**Heat:** Normal setting for months when your home needs heating. Digital display shows flame 🔥 when heating is on.

**Auto:** Setting for between seasons when thermostat selects cooling or heating.  
(Select Models)

NOTE: Em.Ht. is available only on T8511 Heat Pump models.

**Em. Ht.:** Setting when your home needs heat, but your equipment needs servicing or is not working correctly. The thermostat controls only the backup heat. The heat pump is off.



## Then set the FAN key:

**Auto:** Normal setting for most homes. Equipment controls the fan.

**On:** The fan runs continuously. Use for improved air circulation and air quality.

## Emergency Heat (T8511 Heat Pump Models Only)

The Emergency Heat feature allows you to turn on the backup heat section of the system by moving the System switch to the Em. Ht. position. The thermostat shows Em. Ht. in the display when the system calls for emergency heat.


## Auxiliary Heat (T8511 Heat Pump Models Only)

The auxiliary heaters assist the heat pump under normal conditions when low outdoor temperature occurs. The thermostat shows


Aux. Ht. in the display when the auxiliary heating equipment operates.

## Displaying Temperature Setting

**NOTE:** Your temperature setting can be set anywhere from 55° to 99°F (13° to 37°C).

The temperature setting and the room temperature display separately. Press the ▲ or ▼ key to change current temperature setting. To change between the heat and cool setting, press the  key until the setting to be changed appears.

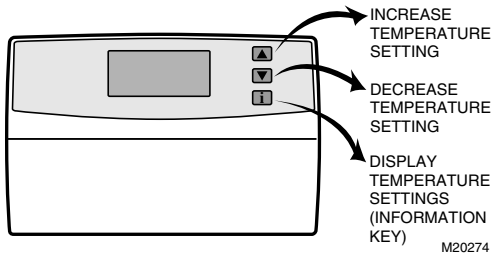
## Displaying Outdoor Temperature (Select Models)

Pressing the Information  key once shows the outdoor temperature when an outdoor temperature sensor is installed.

## Changing Temperature Setting

1. To lower the temperature setting, press the ▼ key. When in the heating mode, lowering the temperature at night or during the day can lower your energy costs.

2. To raise the temperature setting, press the ▲ key. When in the cooling mode, raising the temperature before you leave for work or school also lowers your energy costs.



## CAUTION

### **Equipment Damage Hazard.**

**Can cause permanent damage to compressor or other equipment.**

Do not operate cooling when outside temperature is below 50°F (10°C). See equipment manufacturer instructions.

Allow compressor to remain off for five minutes before restarting.

# TROUBLESHOOTING GUIDE

<b>Symptom</b>	<b>Action</b>
Heating or Cooling does not come on.	Check that the System key on the thermostat is set to Heat or Cool. Check if the circuit breaker is tripped—reset the circuit breaker. Check if the fuse is blown—replace the fuse. Check for air movement at the register. Check power to the heating or cooling equipment.
Temperature setting is too warm or cool.	Adjust the temperature by pressing either the ▲ or ▼ key.
System on indicator (🔥 = heat, ❄️ = cool) is lit, but no warm or cool air is coming from the registers.	Wait five minutes after seeing the flame or snowflake and check the registers again. If there is no hot or cool air coming from the registers, refer to Heating or Cooling does not come on. If all these actions were checked, contact your local heating and cooling contractor.

# LIMITED WARRANTY

Honeywell warrants this product, excluding battery, to be free from defects in the workmanship or materials, under normal use and service, for a period of one (1) year from the date of purchase by the consumer. If, at any time during the warranty period, the product is defective or malfunctions, Honeywell shall repair or replace it (at Honeywell's option) within a reasonable period of time.

If the product is defective,

- (i) return it, with a bill of sale or other dated proof of purchase, to the retailer from which you purchased it, or
- (ii) package it carefully, along with proof of purchase (including date of purchase) and a short description of the malfunction, and mail it, postage prepaid, to the following address:

Honeywell Return Goods  
Dock 4 MN10-3860  
1885 Douglas Drive North  
Golden Valley, MN 55422

This warranty does not cover removal or reinstallation costs. This warranty shall not apply if it is shown by Honeywell that the defect or malfunction was caused by damage which occurred while the product was in the possession of a consumer.

Honeywell's sole responsibility shall be to repair or replace the product within the terms stated above. HONEYWELL SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND, INCLUDING ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING, DIRECTLY OR INDIRECTLY, FROM ANY BREACH OF ANY WARRANTY, EXPRESS OR IMPLIED, OR ANY OTHER FAILURE OF THIS PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation may not apply to you.

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This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

If you have any questions concerning this warranty, please write our Honeywell Customer Relations, 1985 Douglas Drive North, Golden Valley, MN 55422. In Canada, write Retail Products ON15-02H, Honeywell Limited/Honeywell Limitée, 35 Dynamic Drive, Scarborough, Ontario M1V 4Z9.

## CUSTOMER ASSISTANCE

If, after reading this guide, you have any questions concerning the operation of your thermostat, please visit [www.honeywell.com/yourhome](http://www.honeywell.com/yourhome) web site or call the information line at 1-800-468-1502.

For service, contact your local heating and cooling contractor.

# Honeywell

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