This programmable thermostat can be connected to an electric heating system such as an electric baseboard, a radiant ceiling, a floor heating system, an electric convector, etc. It is not compatible with a central heating system.

Set the switch to Off to cut power to the heater. This will not affect the time and temperature settings.

TURN OFF POWER TO THE HEATING SYSTEM AT THE MAIN POWER PANEL TO AVOID ELECTRICAL SHOCK.

- The installation must be carried out by an electrician.
- All cables and connections must conform to the local electrical code.
- Special CO/ALR solderless connectors must be used when connecting with aluminum conductors.
- Install the thermostat onto an electrical box.
- Install the thermostat about 5 feet high, on an inside wall facing the heater.
- Avoid locations where there are air drafts (such as the top of a staircase or an air outlet), dead air spots (such as behind a door), or direct sunlight.
- Do not install the thermostat on a wall that conceals chimney or stove pipes.

Connect the thermostat wires to the power and to the load using solderless connectors for copper wires.

Push the excess wire back into the electrical box to prevent interference with the thermostat.

Secure the thermostat using two 6-32 screws.

Return power to heating system.

NOTE: Always keep the thermostat’s vents clean and unobstructed.

The configuration switches are on the back of the thermostat. Default (factory) settings are inside the gray cells.

<table>
<thead>
<tr>
<th>#</th>
<th>Configurations</th>
<th>UP</th>
<th>DN</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW1</td>
<td>Not used</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SW2</td>
<td>Early Start</td>
<td>Disable</td>
<td>Enable</td>
</tr>
<tr>
<td>SW3</td>
<td>Time format</td>
<td>12-hour</td>
<td>24-hour</td>
</tr>
<tr>
<td>SW4</td>
<td>Temperature format</td>
<td>°F</td>
<td>°C</td>
</tr>
</tbody>
</table>

a. Early Start can be used in Automatic mode only. When this function is enabled, the thermostat calculates the optimal time to start heating in order to obtain the desired temperature by the set time. The thermostat re-assesses the start time daily based on the previous day’s performance.

b. If you change the temperature display format, the preset temperatures (°F, °C) will return to their default settings.

Upon power-up, the thermostat is in manual mode ( ) and displays the room temperature.

1. Press the Hour and Min buttons to set the thermostat’s clock.
2. Press the Day button to set the day.

The thermostat normally displays the room temperature. To view the set temperature, press the or button briefly. The set temperature will appear for 5 seconds.

To change the setpoint, press the or button until the desired temperature is displayed. To scroll faster, hold the button.

Using a preset temperature

The thermostat has 3 preset temperatures:

- Comfort temperature
- Economy temperature
- Vacation temperature

To use the Comfort or Economy temperature, press the or button respectively. The corresponding icon will be displayed.

To use the Vacation temperature, press both and buttons simultaneously. The icon will be displayed.

Storing a preset temperature

To store the Comfort or Economy temperature:

Press and hold the appropriate button ( or ) for approximately 3 seconds until the corresponding icon is displayed.

To store the Vacation temperature:

Press and hold both and buttons simultaneously for approximately 3 seconds until the icon is displayed.
Operating Modes

- **Automatic** - The temperature is set according to the energy-saving schedule. To place the thermostat in this mode, press **Mode** until it is displayed. The icons of the current period and preset temperature are also displayed.

  - **Temporary Bypass**: If you modify the setpoint (by pressing the , , or button) when the thermostat is in automatic mode, the new setpoint will be used until the end of the current period. When the next period starts, the temperature set for that period becomes the new setpoint.

- **Manual** - The energy-saving schedule is not used. The temperature must be set manually. To place the thermostat in this mode:
  1. Press **Mode** until it is displayed.
  2. Set the temperature using the , , or button simultaneously to place the thermostat in Vacation mode.

- **Vacation** - The thermostat is set to the Vacation temperature. Press both and buttons simultaneously to place the thermostat in Vacation mode.

Energy-saving Schedule

The schedule consists of 4 periods per day which represents a typical week. You can program the thermostat to skip the periods that do not apply to your situation. For example, you can skip periods 2 and 3 for the weekend.

<table>
<thead>
<tr>
<th>Period</th>
<th>Description</th>
<th>Associated preset temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sleep</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Return home</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Away from home</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Wake-up</td>
<td></td>
</tr>
</tbody>
</table>

The Comfort ( ) temperature is used in periods 1 and 3 and the Economy ( ) temperature is used in periods 2 and 4. For example, when the period changes from 1 to 2, the setpoint automatically changes from Comfort setting ( ) to Economy setting ( ).

You can have a different program for each day of the week; i.e., each period can start at different time for each day of the week. The thermostat has been programmed with the following schedule.

To modify the schedule:

1. Press Pgm to access the programming mode. Period 1 is selected.
2. Press Day to select the day to program (hold for 3 seconds to select the entire week).
3. Press Hour and Min to set the start time of the selected period, or press Clear if you want to skip the period (--- is displayed).
4. Press Pgm to select another period, or press Day to select another day. Then repeat step 3.
5. Press Mode to exit the programming mode.

NOTE: If no button is pressed for 60 seconds, the thermostat will automatically exit the programming mode.

Troubleshooting

<table>
<thead>
<tr>
<th>Problems</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>The thermostat’s screen is blank.</td>
<td>The measured temperature is set to 72°F.</td>
</tr>
<tr>
<td>LO is displayed.</td>
<td>Heating is activated.</td>
</tr>
<tr>
<td>HI is displayed.</td>
<td>Heating is activated.</td>
</tr>
<tr>
<td>The wrong time is displayed.</td>
<td>The thermostat was without power for more than 2 hours.</td>
</tr>
<tr>
<td>The measured temperature is wrong.</td>
<td>Check the thermostat wiring.</td>
</tr>
<tr>
<td>The thermostat indicates that heating is On</td>
<td>Check the thermostat wiring.</td>
</tr>
<tr>
<td>The temperature does not change according to the energy-saving schedule</td>
<td>Check that the thermostat is in Automatic mode. Check also the schedule and clock settings.</td>
</tr>
</tbody>
</table>

Technical Specifications

- **Power**: 208/240 Vac, 60 Hz
- **Maximum load**: 16 A maximum (resistive only)
- **Display range**: 32 °F to 140 °F (0 °C to 60 °C)
- **Display resolution**: 0.1 °F (0.1 °C)
- **Setpoint range**: 40 °F to 86 °F (5 °C to 30 °C)
- **Setpoint interval**: 1 °F (1 °C)
- **Storage**: -4 °F to 120 °F (-20 °C to 50 °C)
- **Data backup**: In the event of a power outage, most settings are saved. Only the time must be re-adjusted if the power outage lasts more than 2 hours. The thermostat will return to the mode that was active prior to the power outage.

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 determined to be defective or malfunctions, Honeywell shall repair or replace it (at Honeywell’s option). If the product is defective, (i) return it, with a bill of sale or other dated proof of purchase, to the place from which you purchased it, or (ii) call Honeywell Consumer Care at 1-800-468-1502. Customer Care will make the determination whether the product should be returned to the following address: Honeywell Return Goods, Dock 4, MN10-3860, 1885 Douglas Dr N, Golden Valley, MN 55422, or whether a replacement product can be sent to you.

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 limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

This warranty is the only express warranty made by Honeywell on this product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

Customer Assistance

If you have any questions about the operation of your thermostat, please go to http://yourhome.honeywell.com, or call Honeywell Customer Care toll-free at 1-800-468-1502.

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