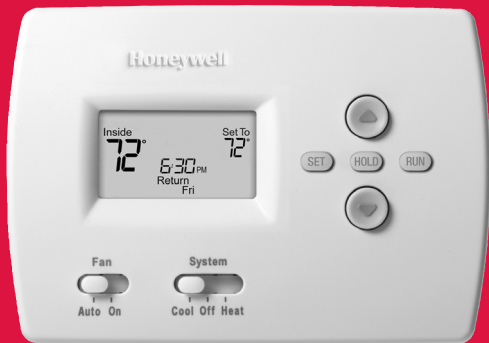# Honeywell

Operating Manual
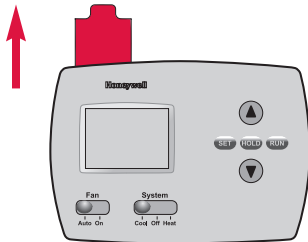
PRO *TH4110B*

Programmable Thermostat

ENERGY STAR

Quick Reference Card

Grasp and pull to see basic operating instructions at a glance.

⚠ CAUTION: EQUIPMENT DAMAGE HAZARD. To prevent possible compressor damage, do not operate cooling system when outdoor temperature is below 50°F (10°C).

Need Help?

For assistance with this product please visit **www.honeywell.com/yourhome** or call Honeywell Customer Care toll-free at **1-800-468-1502**

Read and save these instructions

Table of contents

This thermostat is ready to go!

Your new thermostat is pre-programmed and ready to go. See page 3 to check settings.

⚠ **CAUTION: EQUIPMENT DAMAGE HAZARD.** To prevent possible compressor damage, do not operate cooling system when outdoor temperature is below 50°F (10°C).

About your new thermostat

Congratulations on the purchase of your new Honeywell thermostat. It has been designed to give you many years of reliable service and easy-to-use, push-button climate control.

Features

- Separately programmable weekday/weekend schedules.
- One-touch temp control overrides program schedule at any time.
- EnergyStar® compliant to greatly reduce your heating/cooling expenses.
- Large, clear display is easy to read.
- Displays both room temperature and temperature setting.
- Built-in compressor protection.

This thermostat is ready to go!

Your new thermostat is pre-programmed and ready to go. All you have to do is set the time and day. Then check the settings below and change if needed:

1   **Set time and day (required for proper operation)**................................See page 6

2   **Select system setting (Heat/Cool):** Preset to <u>Heat</u>..............To change, see page 7

3   **Select fan setting (Auto/On):** Preset to <u>Auto</u> ....To change, see page 8

4   **Program schedules:** Preset to energy-saving levels
     while you're at work or asleep (assumes you
     wake at 6 am, leave at 8 am, return at 6 pm
     and go to bed at 10 pm) ....To change, see pages 9-11

ONE-TOUCH TEMP CONTROL: You can override the program schedule at any time, and manually adjust the temperature (see pages 12-13).

Quick reference to controls

Digital display (see page 5) **Temperature adjustment** (see pages 11-13)
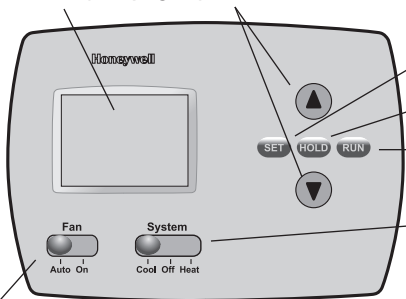
- **Set:** Press to set time/day/ schedule

- **Hold:** Press to override programmed temperature control

- **Run:** Press to resume program schedule
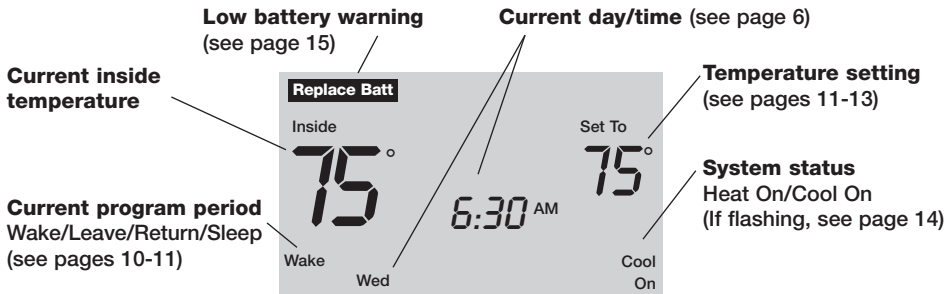
System switch (see page 7)

- **Cool:** Thermostat controls only the cooling system.

- **Heat:** Thermostat controls only the heating system.

- **Off:** Heating and cooling systems are off.
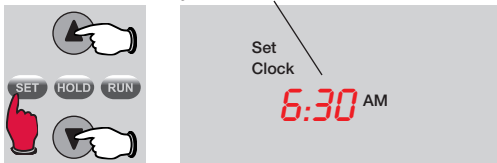
Fan switch (see page 8)
On: Fan runs continuously.
Auto: Fan runs only when heating or cooling system is on.

Quick reference to display screen

Low battery warning
(see page 15)

Current day/time (see page 6)

Current inside temperature

Temperature setting
(see pages 11-13)

Replace Batt

Inside

75°

Set To

75°

System status
Heat On/Cool On
(If flashing, see page 14)

6:30 AM

Current program period
Wake/Leave/Return/Sleep
(see pages 10-11)

Wake

Wed

Cool
On

Set the time and day

Press SET, then adjust time

Set
Clock

6:30 AM
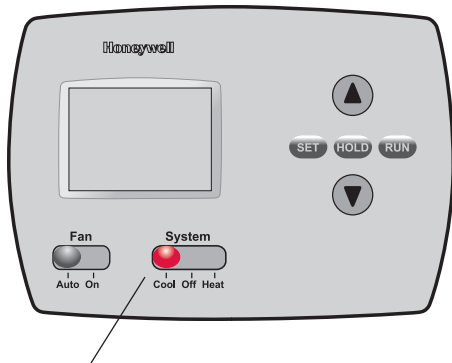
Press SET, then select current day

Set Day

Wed

1　Press the **SET** button, then press ▲ or ▼ to set the clock time.

2　Press the **SET** button, then press ▲ or ▼ to select the day of the week.

3　Press **RUN** to save & exit.

Note: If the display flashes <u>Set Clock</u>, the thermostat will follow your settings for the weekday "Wake" time period until you reset the time and day.

System switch

Set **SYSTEM** switch to control the heating or cooling system.

The **SYSTEM** switch can be set to control your heating or cooling system, depending on the season.

- **Heat:** Thermostat controls only the heating system.

- **Cool:** Thermostat controls only the cooling system.

- **Off:** Heating and cooling systems are off.

CAUTION: EQUIPMENT DAMAGE HAZARD. To prevent possible compressor damage, do not operate cooling system when outdoor temperature is below 50°F (10°C).

Fan switch
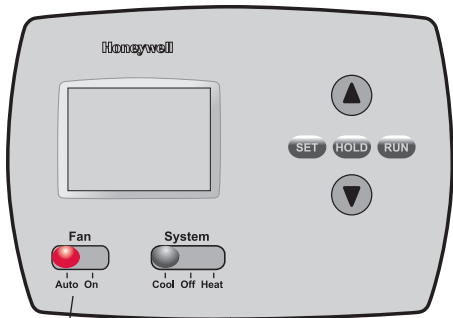
Set **FAN** switch to choose whether the fan runs continuously or only as needed.

Set the **FAN** switch to <u>Auto</u> or <u>On</u>.

In "Auto" mode (the most commonly used setting), the fan runs only when the heating or cooling system is on.

If set to "On," the fan runs continuously. Use this setting for improved air circulation, or for more efficient air cleaning.

Save money by setting program schedules

It's easy to program your system for maximum energy savings. You can program four time periods each day, with different settings for weekdays and weekends.
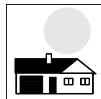
WAKE
6:00 am
70°

Set to the <u>time you awaken</u> and the temperature you want during the morning, until you leave for the day.

LEAVE
8:00 am
62°

Set to the <u>time you leave home</u> and the temperature you want while you are away (usually an energy-saving level).

RETURN
6:00 pm
70°

Set to the <u>time you return home</u> and the temperature you want during the evening, until bedtime.

SLEEP
10:00 pm
62°

Set to the <u>time you go to bed</u> and the temperature you want overnight (usually an energy-saving level).

EnergyStar® settings for maximum cost savings

This thermostat is pre-set to use EnergyStar® program settings. We recommend these settings, since they can reduce your heating/cooling expenses by as much as 33%. (See next page to adjust times and temperatures of each time period.)

	Heat (Mon-Fri)	**Cool** (Mon-Fri)	**Heat** (Sat-Sun)	**Cool** (Sat-Sun)
Wake (6:00 am)	70°	75°	70°	75°
Leave (8:00 am)	62°	83°	62° [Or cancel period]	83° [Or cancel period]
Return (6:00 pm)	70°	75°	70° [Or cancel period]	75° [Or cancel period]
Sleep (10:00 pm)	62°	78°	62°	78°

To adjust program schedules

Press **SET** 3 times, then adjust time

Set Schedule

Set To
75°

6:30 AM

Heat

Wake
MonTueWedThuFri
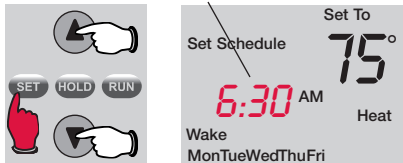
Press **SET**, then set desired temperature
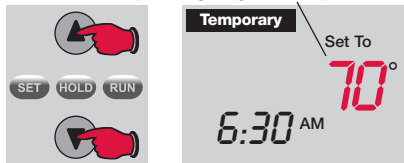

Set Schedule

Set To
75°

6:30 AM

Heat

Wake
MonTueWedThuFri

1 Press **SET** until Set Schedule is displayed.

2 Press ▲ or ▼ to set your <u>weekday</u> Wake time (Mon-Fri), then press **SET**.

3 Press ▲ or ▼ to set the temperature for this time period, then press **SET**.

4 Set time and temperature for the next time period (Leave). Repeat steps 2 and 3 for each <u>weekday</u> time period.

5 Press **SET** to set <u>weekend</u> time periods (Sat-Sun), then press **RUN** to save & exit.

Note: Make sure the thermostat is set to the system you want to program (Heat or Cool).
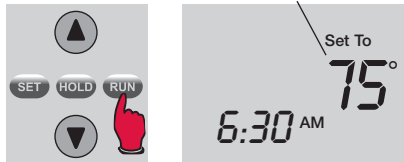
Note: To cancel an unwanted time period (except Wake), <u>press and hold</u> ▲ + **HOLD** for 4 seconds while in the Set Schedule mode.

11

Program schedule override (temporary)

Press to temporarily adjust temperature

Press to resume program schedule

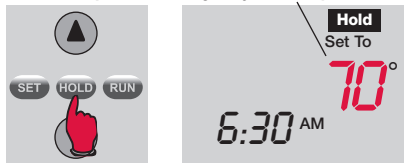**Note:** Make sure the thermostat is set to the system you want to control (heat or cool).

Press ▲ or ▼ to immediately adjust the temperature. This will temporarily override the temperature setting for the current time period.

The new temperature will be maintained only until the next programmed time period begins (see page 10). For example, if you want to turn up the heat early in the morning, it will automatically be lowered later, when you leave for the day.

To cancel the temporary setting at any time, press **RUN**.

Program schedule override (permanent)

Press to permanently adjust temperature

Hold
Set To
70°
6:30 AM

Press to resume program schedule

Set To
75°
6:30 AM

Note: Make sure the thermostat is set to the system you want to control (heat or cool).

Press **HOLD** to permanently adjust the temperature. This will override the temperature settings for <u>all time periods</u>.

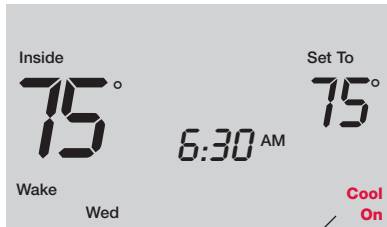The "Hold" feature turns off the program schedule and allows you to adjust the thermostat manually, as needed.
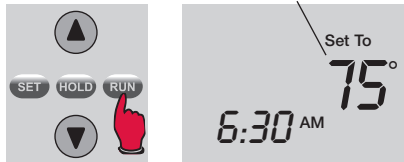
Whatever temperature you set will be maintained 24 hours a day, until you manually change it, or press **RUN** to cancel "Hold" and resume the program schedule.

Built-in compressor protection

Message flashes until safe
restart time has elapsed

This feature helps prevent damage to the compressor in the air conditioning or heat pump system.

Damage can occur if the compressor is re-started too soon after shutdown. This feature forces the compressor to wait for a few minutes before restarting.
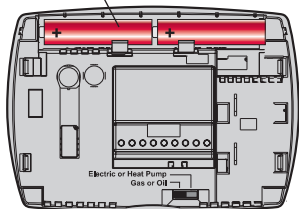
During the wait time, the message Cool On (or Heat On if you have a heat pump) will flash on the display. When the safe wait time has elapsed, the message stops flashing and the compressor turns on.

Battery replacement

Grasp and pull to remove thermostat
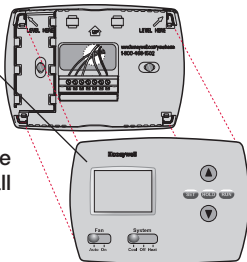
Turn thermostat over, insert fresh AA alkaline batteries, then reinstall thermostat

Install fresh batteries immediately when the **REPLACE BATT** warning begins flashing. The warning flashes about two months before the batteries are depleted.

Even if the warning does not appear, you should replace batteries once a year, or before leaving home for more than a month.

If batteries are inserted within 1 minute, the time and day will not have to be reset. All other settings are permanently stored in memory, and do not require battery power.

In case of difficulty

If you have difficulty with your thermostat, please try the suggestions below. Most problems can be corrected quickly and easily.

Display is blank • Make sure fresh AA alkaline batteries are correctly installed (see page 15).

Heating or cooling system does not respond

- Set system switch to <u>Heat</u> (see page 7). Make sure the temperature is set higher than the Inside temperature.
- Set system switch to <u>Cool</u> (see page 7). Make sure the temperature is set lower than the Inside temperature.
- Check circuit breaker and reset if necessary.
- Make sure power switch at heating & cooling system is on.
- Make sure furnace door is closed securely.
- Wait 5 minutes for the system to respond.

In case of difficulty

|	
Temperature settings do not change	Make sure heating and cooling temperatures are set to acceptable ranges: • Heat: 40° to 90°F (4.5° to 32°C). • Cool: 50° to 99°F (10° to 37°C).
"Cool On" or "Heat On" is flashing	• Compressor protection feature is engaged. Wait 5 minutes for the system to restart safely, without damage to the compressor (see page 14).
"Heat On" is not displayed	• Set the System switch to <u>Heat</u>, and set the temperature level <u>above</u> the current room temperature (see page 7).
"Cool On" is not displayed	• Set the System switch to <u>Cool</u>, and set the temperature level <u>below</u> the current room temperature (see page 7).
To restore Energy Star® default settings	Follow these steps to restore Energy Star default settings (see page 10): 1 Press **SET** 3 times to display "Set Schedule." 2 <u>Press and hold</u> **SET** and **RUN** at the same time for 4 seconds. 3 Press **RUN**.

Customer assistance

Grasp and pull to remove thermostat
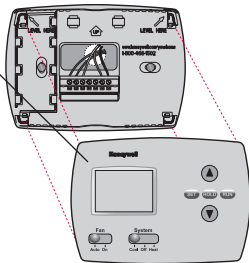
Turn thermostat over to find model number and date code
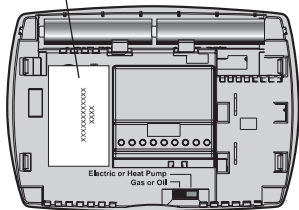
For assistance, please visit **www.honeywell.com/yourhome**. Or call Honeywell Customer Care toll-free at **1-800-468-1502**.

To save time, please note your model number and date code before calling.

Accessories

For accessories, please call Honeywell Customer Care toll-free at **1-800-468-1502**.

Cover plate ....Part No. 50002883-001 (Used to cover marks left by old thermostats.)

Limited 2-year 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 two (2) years 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 Customer 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.

Limited 2-year warranty

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.

Limited 2-year warranty

THIS WARRANTY IS THE ONLY EXPRESS WARRANTY HONEYWELL MAKES ON THIS PRODUCT. THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IS HEREBY LIMITED TO THE TWO-YEAR DURATION OF THIS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

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 Honeywell Customer Relations, 1985 Douglas Dr, Golden Valley, MN 55422 or call 1-800-468-1502. In Canada, write Retail Products ON15-02H, Honeywell Limited/ Honeywell Limitée, 35 Dynamic Drive, Scarborough, Ontario M1V 4Z9.

Automation and Control Solutions

Honeywell International Inc.

1985 Douglas Drive North

Golden Valley, MN 55422

www.honeywell.com/yourhome

Honeywell Limited-Honeywell Limitée

35 Dynamic Drive

Scarborough, Ontario M1V 4Z9

69-1770

Honeywell