

Honeywell

Operating Manual



PRO TH3110B

Non-programmable Digital Thermostat

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

® U.S. Registered Trademark. Patents pending.
Copyright © 2005 Honeywell International Inc. All rights reserved.

Table of contents

About your new thermostat

Thermostat features	2
Quick reference to controls.....	3
Quick reference to display.....	4

Thermostat Operation

System switch (Heat/Cool)	5
Fan switch (Auto/On)	6
Temperature controls.....	7
Compressor protection	8

Appendices

Battery replacement.....	9
In case of difficulty	10
Customer assistance.....	12
Accessories.....	12
Limited warranty	13

About your new thermostat

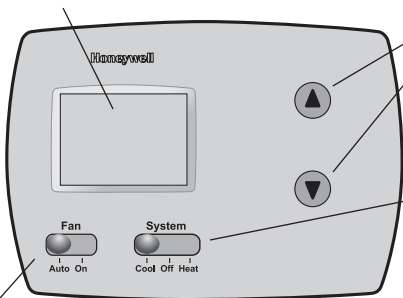
Congratulations on the purchase of your new Honeywell thermostat. It has been designed to give you many years of reliable service and easy-to-use, push-button climate control.

Features

- One-touch temperature controls
- Large, clear backlit display is easy to read, even in the dark
- Switchable fan control (auto or continuous fan)
- Displays both room temperature and temperature setting
- Built-in compressor protection

Quick reference to controls

Digital display screen



Fan switch

On: Fan runs continuously

Auto: Fan runs only when heating or cooling system is on

Temperature buttons

Press to adjust temperature settings

System switch

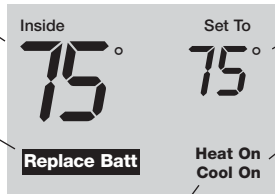
- **Cool:** Thermostat controls only the cooling system
- **Heat:** Thermostat controls only the heating system
- **Off:** Heating and cooling systems are off

Quick reference to display screen

Current inside temperature

Temperature setting

Low battery warning

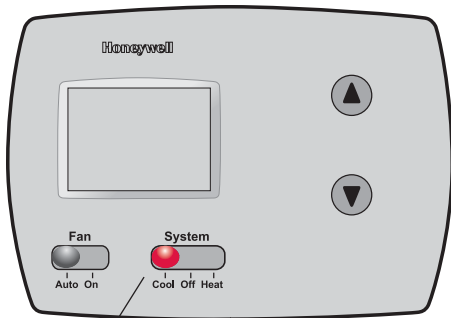


System status

On when “calling” for heating or cooling; flashes when waiting for compressor restart (see page 8)

If flashing, compressor protection is engaged (see page 8)

System switch



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

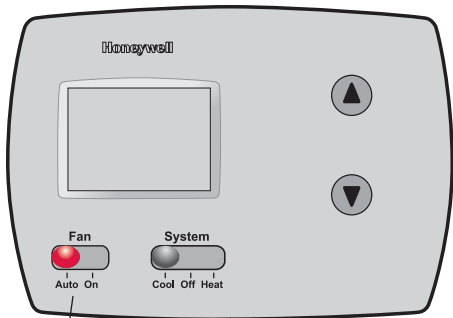
The **SYSTEM** switch can be set to control your heating or cooling system, depending on the season.

When set to the Off position, the thermostat will not activate the heating or cooling system.



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



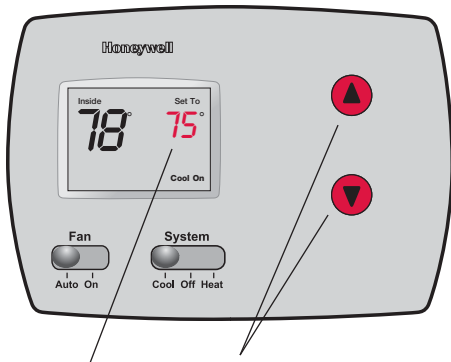
Set **FAN** switch to choose whether the fan runs continuously or only as needed.

Set the **FAN** switch to Auto or On.

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.

Temperature controls



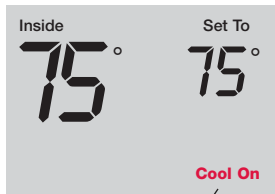
Desired
temperature

Temperature adjustment
buttons

Press the temperature adjustment buttons until the temperature you want is displayed in the upper right portion of the screen.

Note: Make sure the **SYSTEM** switch is set to the system you want to control (Heat or Cool).

Built-in compressor protection



Message flashes until safe restart time has elapsed

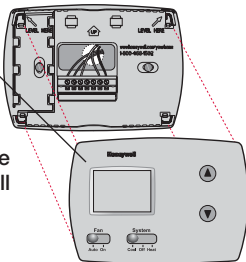
This feature helps prevent damage to the compressor in your air conditioning or heat pump system.

Damage can occur if the compressor is restarted too soon after shutdown. This feature forces the compressor to wait for a few minutes before restarting.

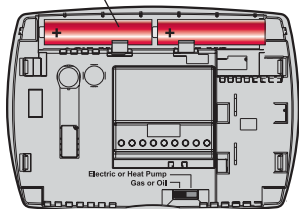
During the wait time, the display will flash the message Cool On (or Heat On if you have a heat pump). When the safe wait time has elapsed, the message stops flashing and the compressor turns on.

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.

Always replace both batteries with fresh, AA alkaline batteries.

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 9).

Heating or cooling system does not respond

- Set system switch to Heat (see page 5). Make sure the temperature is set higher than the Inside temperature.
- Set system switch to Cool (see page 5). 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 8).

“Heat On” is not displayed

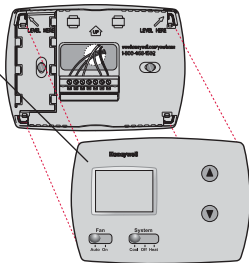
- Set the System switch to Heat, and set the temperature level above the current room temperature (see page 5).

“Cool On” is not displayed

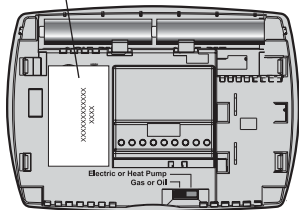
- Set the System switch to Cool, and set the temperature level below the current room temperature (see page 5).

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 platePart 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 M1V4Z9.

Honeywell

Automation and Control Solutions

Honeywell International Inc.
1985 Douglas Drive North
Golden Valley, MN 55422

Honeywell Limited-Honeywell Limitée
35 Dynamic Drive
Scarborough, Ontario M1V 4Z9

www.honeywell.com/yourhome

® U.S. Registered Trademark. Patents pending.
Copyright © 2005 Honeywell International Inc. All rights reserved.
Printed in U.S. Document number 69-1758. Date 01-2005.



69-1758