

Honeywell

T8131C, T8132C Programmable Thermostat



OWNER'S GUIDE

Weekday/Weekend Programmable
Heat and/or Cool Thermostat
and Mounting Plate



69-1635-2

Welcome to the world of comfort and energy savings with your new Honeywell Programmable Thermostat.

Your new Thermostat automatically controls the temperature in your home, keeping you comfortable while saving energy when programmed according to the instructions in this manual.

Table of Contents

	Page
Programming Thermostat	4
Program Schedule	6
Programming Guide	8
Setting Fan and System Switches	12
Changing Batteries	13
Troubleshooting Guide	15
Limited One-Year Warranty	19
Customer Assistance	20

IMPORTANT

Although the thermostat has a low battery indicator, replace the batteries once a year to prevent the thermostat and heating/cooling system from shutting down due to lack of battery power.

As a precaution, when leaving home for longer than a month, change batteries before you leave to prevent the system from shutting down due to lack of battery power.

Programming Thermostat

When you program the thermostat, set one schedule for weekdays and another for weekends, because your temperature requirements probably vary. (During weekends, only the WAKE and SLEEP time periods are available.)

Use the personal Program Schedule for planning your program schedule of time and temperature settings for various times of the day.

Four time periods are available during weekdays—WAKE, LEAVE, RETURN, and SLEEP. View these periods individually on the display when you press the Set Schedule key.

Select WAKE if you want the house at a comfortable temperature when you get up, while you get ready for work or school. When deciding what time to set for your WAKE period, include extra lead time, depending on the outside temperature and your furnace response time, to give the furnace a head start to heat the house before you get up. (This will be a higher temperature during heating season, or a lower temperature during cooling season.)

Select LEAVE if you want an energy-saving temperature while you are away at work or school. (This will be a lower temperature during heating season, or a higher temperature during cooling season.)

Select RETURN if you want the house at a comfortable temperature for activities before bedtime. When deciding what time to set for your RETURN period, include extra lead time, depending on the outside temperature and your furnace response time, to give the furnace a head start to heat the house before you arrive home. (Again, higher for heating or lower for cooling.)

Select SLEEP if you want an energy-saving temperature while you are sleeping. (For more comfortable sleeping, some homeowners choose not to raise the cool temperature during the night.)

Fill in the times and temperatures you desire for weekdays and weekends. If you decide not to program the thermostat, it automatically

controls heating at 68°F (20°C) and cooling at 78°F (26°C), 24 hours a day. Also, you do not need to enter a time and temperature program for all periods if your schedule does not require it. For example, a house that is occupied during weekdays would not require programs for LEAVE and RETURN.

When pressing the keys, use the ball of your finger or a soft pencil eraser.

NOTE: Using sharp fingernails or pencil points can damage the keypad.

If you make an error at any time during programming, press the **Run Program** key, and continue again at the last step.

Program Schedule

HEATING PROGRAM SCHEDULE

Weekdays

WAKE 

LEAVE

RETURN 

SLEEP



Start Time

Heating Temperature

Weekends

WAKE 

SLEEP

-  WAKE and RETURN start times should include extra lead time, based on outside temperature and furnace response time, to give your furnace a head start to heat the house.
-  The temperatures cannot be set any higher than 88°F (31°C) or set any lower than 45°F (7°C).

COOLING PROGRAM SCHEDULE

Weekdays

WAKE 

LEAVE

RETURN 

SLEEP



Start Time

Heating Temperature

Weekends

WAKE 

SLEEP

-  WAKE and RETURN start times should include extra lead time, based on outside temperature and furnace response time, to give your furnace a head start to heat the house.
-  The temperatures cannot be set any higher than 88°F (31°C) or set any lower than 45°F (7°C).

NOTE: If you decide not to program the thermostat, it automatically controls heating at 68°F (20°C) and cooling at 78°F (26°C), 24 hours a day.

Programming Guide

NOTE: Batteries are required for operation and programming. When replacing the batteries, set the system switch to OFF. Remove the battery door (on the thermostat left side) using a coin at the bottom. Follow the instructions in Changing Batteries section.

Set Current Time/Day

To set time, press and release **Set Clock/Day** once, and press

Ahead

until current time shows; to set the

Back

day, press and release **Set Clock/Day** again, and press

Ahead

until current day shows; then press

Run Program

Back

Heating Program

With the system switch at HEAT, press and release **Weekday Schedule** once. WAKE, MON-FRI and SET appear on display.

Press

Ahead
Back

 to program the WAKE time and press

Warmer
Cooler

 to program the WAKE temperature

for MON-FRI. Repeat the sequence for LEAVE, RETURN, and SLEEP.

Press **Weekend Schedule** until SAT SUN, WAKE and SET appear on the display. Press to

Ahead
Back


 program WAKE time and press

Warmer
Cooler

 to program WAKE temperature for Sat-Sun. Repeat the sequence for SLEEP.




Cooling Program





With the system switch at COOL, follow the same instructions as for Heating Program.

After programming, adjust fan and system switches, as desired. Press and release  to start the program.

A quick guide for operating or making changes follows.




NOTE: Set system switch to HEAT or COOL to perform the following:




Temporarily Change temperature for current period only—press  ; temperature is cancelled at next scheduled change; to cancel sooner, press .

Hold a temperature indefinitely—press ,  ; to cancel, press .


Check Current Temperature Setting—press  .

Check Programs—press ,  repeatedly to see each time and temperature; then press  .

Cancel a program—press ,  until program to cancel shows; then press  .

Check Usage — press  to determine length of time heating or air conditioning has been on since midnight; press again for yesterday's usage, and again for cumulative usage; press to  clear cumulative reading, if desired; then press  .

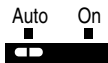
Permanently Change a program—repeat steps in Heating Program or Cooling Program sections (page 5 and 6), as applicable.

Return to normal program or start program —press  .

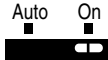
Setting Fan and System Switches

First set the fan switch.

AUTO: Normal setting for most homes. A single-speed fan turns on automatically with the air conditioner or furnace. A two-speed fan usually runs on high with the air conditioner and runs on low with the furnace.

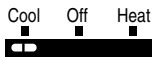


ON: The fan runs continuously. Use for improved air circulation during special occasions or for more efficient electronic air cleaning.

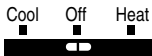


Then set the system switch.

COOL: The thermostat controls your air conditioning system.



OFF: Both the heating and air conditioning systems are off.



HEAT: The thermostat controls your heating system.



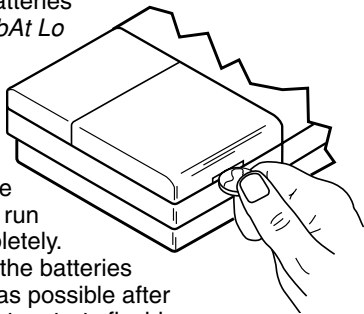
Changing Batteries

IMPORTANT

Batteries are required for programming and operation of the thermostat and heating/cooling system.

As the batteries run low, *bAt Lo* indicator flashes for one to two months before the batteries run out completely.

Replace the batteries as soon as possible after the indicator starts flashing.



REMOVING
BATTERY
DOOR

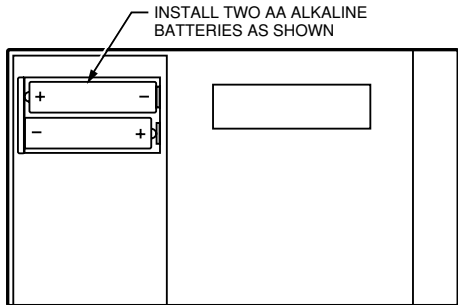
After the batteries are completely dead, the *bAt Lo* indicator disappears, leaving the display completely blank and the heating and/or cooling system not operating.

- Use two AA alkaline batteries; nonalkaline batteries do not last as long.
- Make sure the thermostat is set to the OFF position.
- Use a coin to remove the battery door.

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To remove batteries, press down on the left ends of the batteries. If you insert new batteries within 20 to 30 seconds of removing the old ones, the thermostat does not require reprogramming. However, if the display is blank, the batteries are dead or incorrectly installed and the thermostat requires reprogramming.

- Install the fresh batteries, as shown, making sure positive and negative terminals are oriented correctly.
- Replace the battery door.



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Troubleshooting Guide

IF...

Display will not come on.

Temperature display will not go lower than 45°F (7°C) or higher than 88°F (31°C) during programming.

Temperature change occurs at the wrong times.

Heating will not come on.

THEN...

- Set the system switch to OFF; remove batteries and insert them backward for at least five seconds to reset the thermostat; replace the batteries correctly. The display should come on.
- Make sure the batteries are fresh and installed correctly.
- The temperature setting limit was reached. The setting range is 45°F to 88°F (7°C to 31°C).
- Verify the program times for the period. Be sure that AM and PM indications are correct. Make sure the current day and time are correct. Reprogram, if necessary.
- Check that the switch on the thermostat is set to HEAT.
- Check the system fuse or circuit breaker and replace or reset, if necessary.

Heating will not come on (Cont).

- If display is blank or displays *bAt Lo*, install fresh batteries.
- If temperature setting is higher than current temperature, and thermostat displays HEAT, contact Honeywell Customer Assistance at 1-800-468-1502.

Cooling will not come on.

- Check that the switch on the thermostat is set to COOL.
- Check the system fuse or circuit breaker and replace or reset, if necessary.
- If display is blank or displays *bAt Lo*, install fresh batteries.
- The thermostat has a built-in time delay on cooling. Allow five to ten minutes after changing the setting before the air conditioner starts.
- If the temperature setting is lower than the current temperature, and the thermostat displays COOL, move the system switch from COOL to OFF for ten minutes. After ten minutes, return the switch to the COOL

Cooling will not come on (Cont).

position. If the air conditioner comes on, the compressor could have reached its high limit temperature protection and shut down. If the air conditioner does not come on after ten minutes and displays COOL, contact Honeywell Customer Assistance at 1-800-468-1502.

The house is too warm or too cool.

- Press **Present Setting** key to check the current temperature setting.
- If desired, change the temperature setting. See page 5.

SYSTEM ON indicator is lit, but no heat is coming from the registers.

- Allow time for the furnace to heat up and the fan to come on before checking for heat at the register.

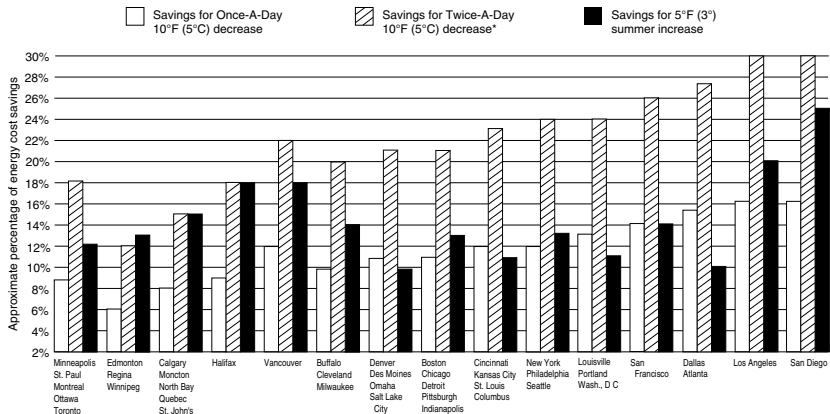
The current thermostat setting does not match the display temperature.

- Be aware that it is normal for the current setting and display temperature to differ occasionally.

***bAt Lo* remains on display after fresh batteries are installed.**

- Remove the batteries. Wait one hour. Install fresh alkaline batteries.

TYPICAL ENERGY SAVINGS FOR REPRESENTATIVE CITIES IN THE U.S. AND CANADA



*Based on 10°F (5°C) decrease—(5°F (3°C) decrease gives approximately 55 percent of these savings). M2416A

Limited One-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 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 dealer or contractor 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, MN10-3866
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.

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 ONE 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 Drive North, MN10-1461, Golden Valley, MN 55422. In Canada, write Retail Products ON15, Honeywell Limited/Honeywell Limitée, 35 Dynamic Drive, Scarborough, Ontario M1V 4Z9.

Customer Assistance

For all questions concerning this thermostat, please read and follow the instructions. If additional assistance is needed, call Honeywell Customer Relations toll-free at 1-800-468-1502.

Before you call, please have the following information available: Thermostat model number and date code, and type of heating/cooling system (for example, hot water, warm air, oil and gas).

Honeywell

Automation and Control Products

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Golden Valley, MN 55422

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