Honeywell

T8665C,D,E EnergyPro™ Thermostat

OWNER'S GUIDE

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Contents

INTRODUCTION

Congratulations on purchasing your new EnergyPro™ Thermostat. This exciting new product is designed to add a new level of service, energy savings and convenience to your home comfort system. As part of a larger system of products and services from your Energy Utility, your new thermostat allows you to take advantage of special programs offered through your Energy Utility. These programs allow you to further increase your energy savings beyond the efficiency of a traditional programmable thermostat.

Although the EnergyPro™ Thermostat can be used standalone, it is intended to be part of a communicating system provided by your Energy Utility.

Read this document thoroughly to take advantage of the convenience and energy saving benefits of using this product.

USING THIS GUIDE

The T8665C,D,E Communicating Thermostat uses two-way radio frequency (RF) to send and receive information. This information can be used to make changes to your thermostat settings, or settings from your Energy Utility.

The following symbols will help you identify the features that apply to your system:

— 

– Tip symbol. Look for helpful tips throughout this guide when you see this symbol.

— 
HEAT PUMP
– Compressor with the word, Heat Pump, below.These features are availble when used with a heat pump.

Keyboard and Display Description

Keyboard

The keyboard is located behind the thermostat cover. Three frequently used keys: increase ▲, decrease ▼, and **i** key are located next to the display. See Fig. 1.

Display

The thermostat displays important information such as day, time, schedule period, temperature, filter information, system and fan operation. See Fig. 2.

WARNING: This product operates under provisions of Part 15 of the FCC Rules. Modifications to this product not specifically authorized by Honeywell may void the user's authority to operate this device.

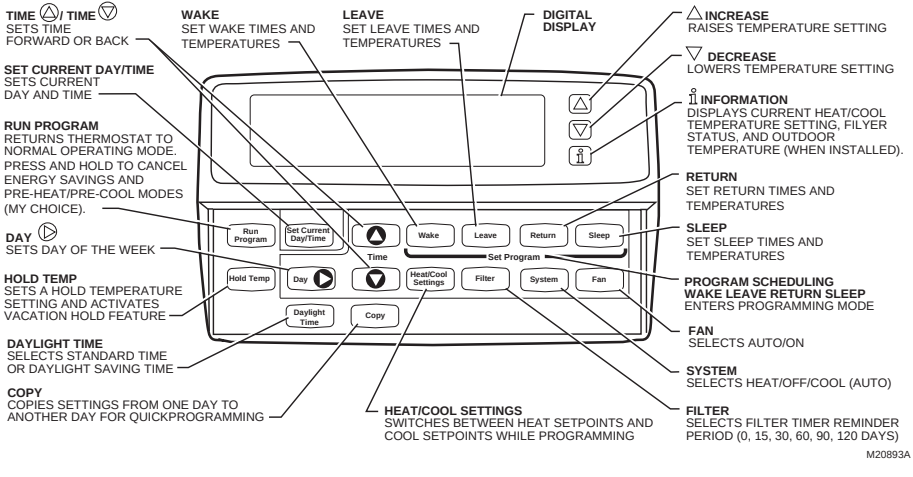


Fig. 1. Thermostat keyboard description.

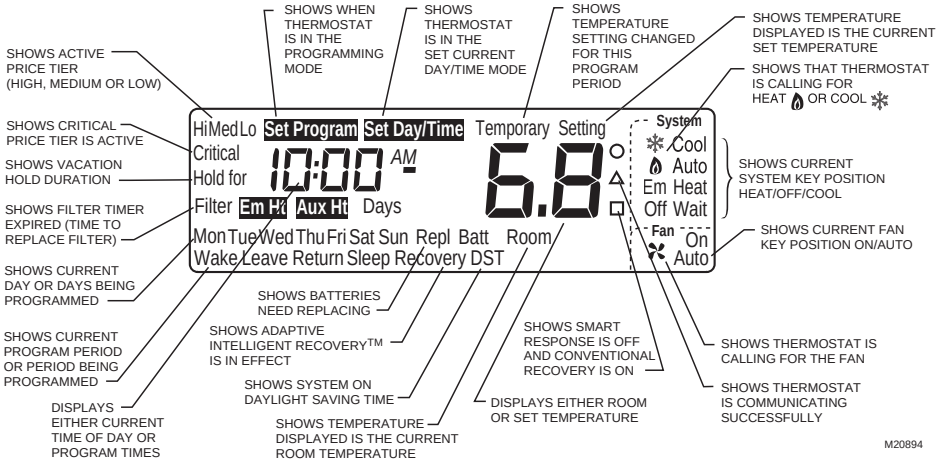


Fig. 2. Example of thermostat display.

THERMOSTAT FEATURES

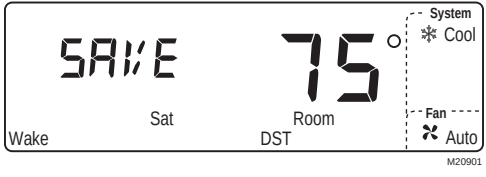
- **Adaptive Intelligent Recovery™ Control for comfort and energy savings.**
- **Customize the program schedule—program your own schedule to fit your needs.**
- **Temporary schedule override—set the thermostat higher or lower for the current program schedule.**
- **Permanent schedule override—set the thermostat higher or lower indefinitely.**
- **Vacation mode (1 to 255 days) for added comfort and energy savings. Set the temperature higher or lower for energy savings while on vacation. At the same time, set the comfort level you want when you return.**
- **Set the filter indicator (0, 15, 30, 60, 90, or 120 days) to remind you to change the filter.**
- **Information at the press of a button—use the i (information) key to see the outdoor temperature (C7089B Outdoor Temperature Sensor optional accessory), the current setpoints, or the filter status.**
- **Daylight Time key for quick time changes between Daylight and Standard time.**
- **Backlit display for improved readability (press any key to activate).**
- **Optional outdoor temperature display—ask your installer to install an outdoor temperature sensor to activate this feature.**
- **For additional features, see the System User's Guide provided by your Energy Utility or systems provider.**

Special Energy Saving Features

The EnergyPro™ Thermostat supports Demand Response and Price Response Programs from your Energy Utility. If you have any questions concerning the application of this thermostat or these special programs and features, please contact your local Energy Utility.

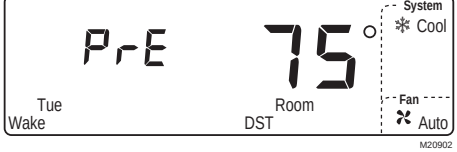
Demand Response

If your utility offers a Demand Response Program, this thermostat can be managed by your utility to reduce your energy consumption during times of peak demand. When your thermostat is helping your Energy Utility to manage energy in your community, the word, SAVE, is displayed on the thermostat as shown. If you have any questions about the application of this thermostat or these special programs and features, please contact your local Energy Utility.



Pre-Cool and Pre-Heat

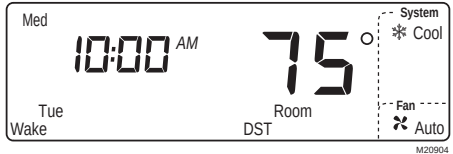
Your Energy Utility may decide to use the Pre-cool /Pre-heat feature to slightly raise or lower your home temperature setting immediately prior to a Demand Response event to minimize the effect on your comfort. When the Pre-heat or Pre-cool option is in effect, the thermostat displays PrE.



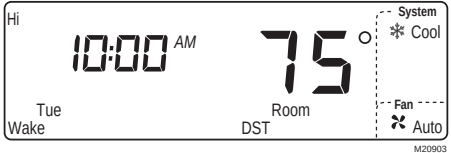
Price Response

If your utility offers a Price Response Program, this thermostat works with your Energy Utility to inform you of the rate in effect at any given time and automatically adjust your energy use for each rate. The rate in effect is indicated on the thermostat display as shown (Critical, Hi, Med, and Lo). This typically involves controlling your home at a higher temperature during cooling season and a lower temperature during heating season to reduce energy consumption.

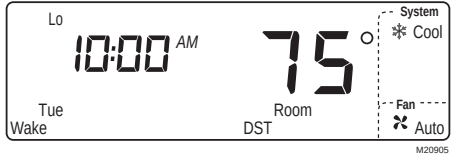
Display shows Critical rate in effect.



Display shows Medium rate in effect.



Display shows High rate in effect.



Display shows Low rate in effect.

My Choice

There may be times when you need to cancel an energy-saving event such as Demand Response, Pre-heat or Pre-cool. Your Energy Utility may offer a program that incorporates the My Choice feature. To use My Choice and cancel an energy-saving event, press and hold Run Program key for three seconds until the thermostat displays Done.

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If the utility does not offer the My Choice feature, pressing and holding the Run Program key will not cancel the energy-saving event. Call your Energy Utility provider for further information.

Run Program

OPERATING YOUR THERMOSTAT

Your new thermostat saves energy and keeps you comfortable at the same time. You may be wondering how to program your thermostat and how to use some more time and energy-saving features. First, let's look at features you'll be using often, like setting the System and Fan keys, how to override the current programming mode or to hold the thermostat at a specific temperature while you go on vacation. You can

even program the thermostat to return to your regular programming schedule on your last day of vacation so you are comfortable when you return and yet save energy while you are away.

SETTING THE CLOCK

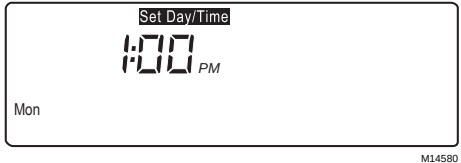
Setting Current Day and Time

IMPORTANT

Always press keys with your fingertip or similar blunt tool. Sharp instruments like pens and pencil points can damage keyboard.

On initial powerup or after an extended power loss, “1:00 PM” flashes on display until a key is pressed.

1. Press Set Current Day/Time key. 



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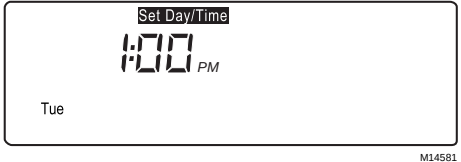
Press Set Current Day/Time key to show information displayed.

Setting the clock can be controlled as part of the system using two-way RF communication; then the time is automatically updated.

2. Press Day key until current day displays. 

Mon = Monday, Tue = Tuesday,
Wed = Wednesday,
Thu = Thursday,
Fri = Friday, Sat = Saturday,
Sun = Sunday.



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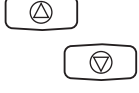
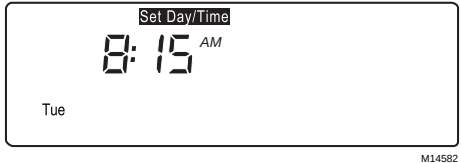
Press Day key to set current day. Example display shows Tuesday.

3. Press Time ∆ or Time ∇key until current time displays.



Tap Set Current Day/Time key to advance time in one-hour increments.

4. Press Run Program key to return to normal operation.



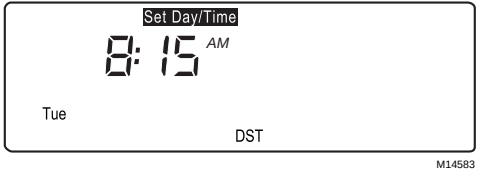
M14582

Press Time ∆ or Time ∇ key to set current time. Example display shows 8:15 AM.

Daylight Saving Time

NOTE: If current time is Daylight Saving Time, press Daylight Time key to display "DST."

Daylight Time



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Press Daylight Time key to set Daylight Saving Time.

Pressing Daylight Tiime key more than once in a five-minute period scrolls you through various time options (example: one-hour earlier or later with or without DST). Pressing Daylight Time six times in a five-minute period returns you to your original setting.

Setting System and Fan Keys

Use the System and Fan keys to change the system and fan settings. The fan settings can be set for each schedule period individually. System selection is for all schedule periods.

⚠ CAUTION

Equipment Damage Hazard.
Can cause permanent damage to the compressor or other equipment.
To avoid possible compressor damage, allow compressor to remain off for five minutes before restarting.

To avoid possible equipment damage, do not operate cooling when outside temperature is below 50°F (10°C). See equipment manufacturer instructions.

Setting System Key

Press the System key until the desired system (Heat, Off, Cool, or Auto) displays.

Heat: The thermostat controls the heating.

Off: Both the heating and cooling are off.

Cool: The thermostat controls the cooling.

Auto: The thermostat automatically changes between heating and cooling operation, depending on the indoor temperature.

Em.Ht: Emergency heat is controlled as stage 1 heat. The Cooling system is off. The compressor is de-energized.


HEAT PUMP

Setting Fan Key

Press Fan key until desired mode (On or Auto) displays:

On: Fan operates continuously.

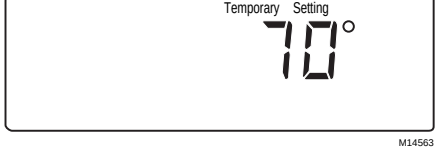
Auto: Fan operates only when heating or cooling.

Setting Temporary Temperatures

You can override the current schedule period to temporarily change the temperature setting until the next schedule period, or you can change and hold the temperature setting indefinitely. You can also change the temperature setting until a designated day and period (for example, while you are on vacation).

Changing Temperature to Temporary Setting Until Next Schedule Period

Press increase ▲ or decrease ▼ key until the desired temperature setpoint displays.

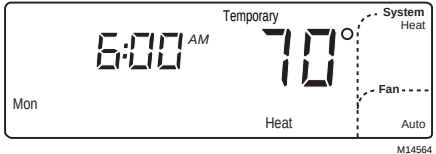


While selecting a temporary setting, only the setpoint displays.

The temporary temperature setting you select displays for approximately three seconds. The display reads “Temporary” until the next period begins or when you cancel the temporary temperature setting.

Press the Run Program key to cancel the temporary temperature setting before the designated time.

Run Program



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After selecting a temporary setting, the display reads “Temporary” until cancelled. Example display shows temporary heat setting of 70° at 6:00 AM.

If ▲ or ▼ appears under temperature display, both heating and cooling setpoints are being adjusted. Tapping ▲ or ▼ key changes both heat and cool setpoints one degree. (Press **i** key after setpoint is reached to verify setpoints.)

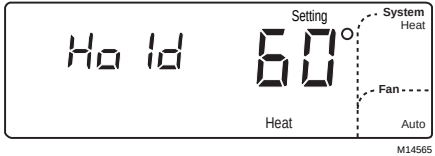
Changing and Holding Temperature Setting Indefinitely

Hold Temp

1. Press Hold Temp key once.
2. Press ▲ increase or decrease ▼ key to change temperature setpoint, if desired.

NOTE: The Display changes from setpoint to room temperature after approximately three seconds.

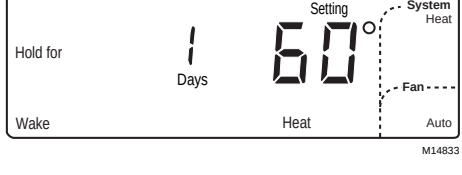
3. Press Run Program key to cancel hold.



Press Hold Temp key once to display the thermostat in Hold mode. Example display shows temporary heat setting of 60°.

Changing Temperature Setting Until a Designated Day and Period (Vacation Hold)

1. Press Hold Temp key twice.



Press Hold Temp key twice to display thermostat in Vacation mode. Example display shows temporary heat setting of 60°.

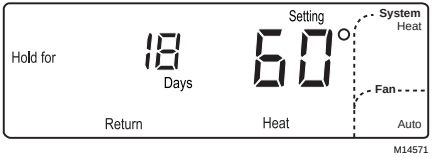
IMPORTANT

To cancel Vacation Hold before designated time, press Run Program key.

2. Press Time ∆ or Time ∇ until desired number of days (1 to 255 days) displays.

Press Time ∆ or Time ∇ key to select number of vacation days. Example display shows 18 vacation days.

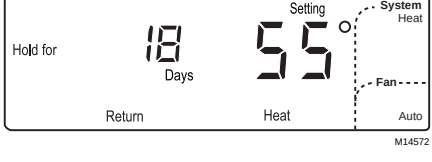
3. Press Wake, Leave, Return or Sleep key to select the period the Hold ends.



In this example, the Hold ends after the 18th day at the beginning of the Return period.

4. Press ▲ increase or decrease ▼ to adjust temperature setting, if desired.

NOTE: Only the heating temperature is used when System is set to Heat. Similarly, only the cooling temperature is used when System is set to Cool. The thermostat uses both heating and cooling temperatures when System is set to Auto.

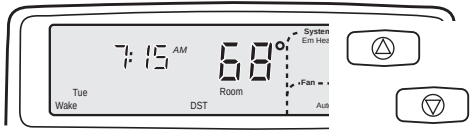


Press ▲ increase or decrease ▼ key to select a new Hold temperature. Example display shows temporary heat setting of 55°.

5. Press Heat/Cool Settings key to change between heat and cool settings.

6. Press ▲ increase or decrease ▼ to adjust temperature setting, if desired (for example, if cool is set to 84°, cooling equipment operates when room temperature is above 84°F).
7. Press Run Program to start over or return display to normal.

Using the i (Information) Key



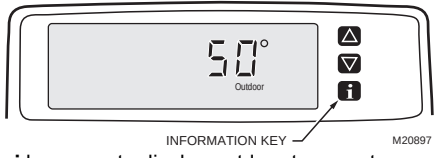
The **i** (information) key provides information at your fingertips in this sequence of key presses:

- Outdoor temperature (if equipped).
- Current setpoint of mode in use (Heat or Cool).
- Setpoint of mode not currently in use.
- Filter status.

If filter status is expired, refer to Filter Indicator section. Sequence of **i** key presses is:

- Filter status.
- Outdoor temperature (if equipped).
- Current setpoint of mode in use (Heat or Cool).
- Setpoint of mode not currently in use.

Displaying Outdoor Temperature



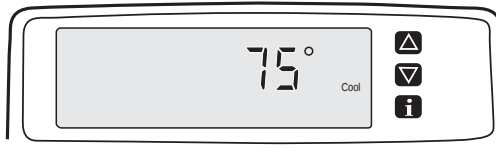
Press **i** key once to display outdoor temperature. Example display shows outdoor temperature at 50°.

Press **i** key once to display outdoor temperature (if equipped).

If filter status is expired, press **i** key twice to display outdoor temperature. See Filter Indicator section for instructions on resetting filter indicator.

Displaying Current Settings

Press **i** key twice to check current temperature setpoint. Press **i** key three times to check temperature setpoint of mode not currently in use.

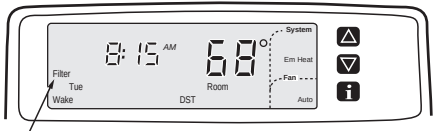


Press **i** key twice to display current setpoint. Example display shows cooling setpoint of 75°.

Without outdoor temperature sensor, press **i** key once to display current setpoint; press **i** key twice for opposite setpoint.

If filter status is expired, press i key three times to check current temperature setpoint, if equipped with outdoor sensor.

Filter Indicator



Your thermostat monitors the amount of time the fan is running and lets you know when to replace the filter, based on the number of fan run-time days you select. On expiration, thermostat displays “Filter.”

One fan run-time day equals 24 fan run-time hours. (If fan is on only one-third of the time each day, it takes three days to deduct one fan run-time day.)

Setting or Resetting Filter Indicator

Your thermostat comes preset to a 30-day setting. To change this setting or reset after filter expiration:

1. Press Filter key to enter Filter mode.

Press Filter key to display filter information. Example display shows current fan run time set to 30 days with filter set to expire in five days.

2. Press and hold Filter key for at least three seconds to reset fan run time.

Hold down Filter key to reset counter.

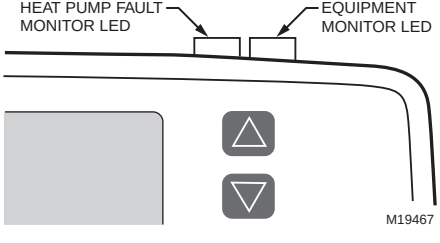
3. Press Time Δ or Time ∇ until desired number of days display (0, 15, 30, 60, 90, or 120).
4. Press Run Program key to return to normal operation.

Run Program

IMPORTANT

To track time fan is running, you must select a setting other than 0 (0 means off). If setting is 0 days, display always shows "0 Days; 0 Setting" when Filter key is pressed.

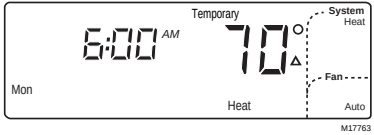
LED Indicators (T8665D Only)



Two LED indicators located on upper right of the thermostat indicate when a Heat Pump Fault Monitor or Equipment Monitor signal is sent to the thermostat from the system. When Heat Pump Fault Monitor LED indicator lights (red), see Troubleshooting section.

Heat Pump Fault Monitor LED lights red when heat pump failure is detected. Switch thermostat to Em. Ht. and contact you heat pump service company. Heating with Em. Ht. is expensive, so act quickly.


HEAT PUMP



Successful Communication Indicator

The thermostat periodically sends and receives messages. The small triangle right of the temperature display indicates the thermostat successfully communicated with the system controller installed by your Energy Utility.

PROGRAMMING YOUR THERMOSTAT

7-Day Program and Operation

Your thermostat is 7-day programmable, which means you can set your thermostat for four periods (Wake, Leave, Return and Sleep) and up to eight temperatures (four Heat and four Cool) for each day of the week. Each day can be the same or different.

Program Periods:

WAKE—The program period when you want the house at a comfortable temperature when you get up and while you get ready for work or school. (This is a higher temperature during heating season and a cooler temperature during cooling season.)

LEAVE—The program period you can set for an energy saving temperature while you are away at work or school. This is a lower temperature during heating season, and higher temperature during cooling season and it follows the WAKE period.

RETURN—The program period when you want the house at a comfortable temperature for activities before bedtime. This is a higher temperature during heating season and a cooler temperature during cooling season and it follows the energy-saving LEAVE period.

SLEEP—The program period you set for an energy-saving temperature while you are sleeping. This is a lower temperature during heating season and a higher temperature during cooling season and it follows the RETURN period.

7-Day Preprogrammed Schedule

Your thermostat is preprogrammed with the schedule shown in Table 1 (same schedule for all days of the week). You may keep this schedule or develop your own. Before starting the programming procedure, use Table 2 to plan your schedule.

Instructions:

1. Write the time you want for each program period.
2. Write the heating and cooling temperatures you want for each period.
3. Draw a circle around the fan operation you desire for each period.

Table 1. 7-Day Preprogrammed Schedule.

Day	WAKE		LEAVE		RETURN		SLEEP	
All Days	TIME FAN H 70 (21)	6:00 AM AUTO C 78 (2.5)	TIME FAN H 62 (16.5)	8:00 AM AUTO C 85 (29.5)	TIME FAN H 70 (21)	6:00 PM AUTO C 78 (25.5)	TIME FAN H 62 (16.5)	10:00 PM AUTO C 82 (28)

Customizing Your Own 7-Day Schedule

Table 2. Your 7-Day Schedule.

Day	WAKE	LEAVE	RETURN	SLEEP
SUN	TIME FAN H AUTO ON C	TIME FAN H AUTO ON C	TIME FAN H AUTO ON C	TIME FAN H AUTO ON C
MON	TIME FAN H AUTO ON C	TIME FAN H AUTO ON C	TIME FAN H AUTO ON C	TIME FAN H AUTO ON C
TUES	TIME FAN H AUTO ON C	TIME FAN H AUTO ON C	TIME FAN H AUTO ON C	TIME FAN H AUTO ON C
WED	TIME FAN H AUTO ON C	TIME FAN H AUTO ON C	TIME FAN H AUTO ON C	TIME FAN H AUTO ON C

Table 2. Your 7-Day Schedule. (Continued)

Day	WAKE	LEAVE	RETURN	SLEEP
THURS	TIME FAN AUTO ON H C	TIME FAN AUTO ON H C	TIME FAN AUTO ON H C	TIME FAN AUTO ON H C
FRI	TIME FAN AUTO ON H C	TIME FAN AUTO ON H C	TIME FAN AUTO ON H C	TIME FAN AUTO ON H C
SAT	TIME FAN AUTO ON H C	TIME FAN AUTO ON H C	TIME FAN AUTO ON H C	TIME FAN AUTO ON H C

Programming the First Day

To modify the preprogrammed schedule, start by programming the Wake time and temperature and fan operation for any one day.

1. Press the Wake key.

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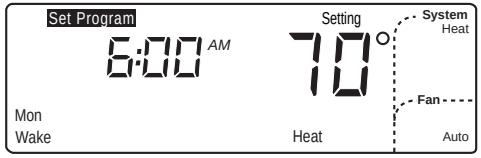
Press Wake key to enter program mode. Example display shows 6:00 AM Tuesday with Heat set to 70°F.

2. Press Day key until desired day displays.



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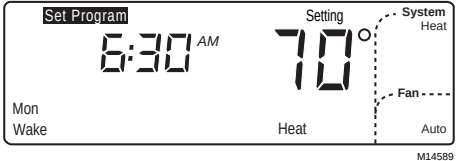
Press Day key to select day to program. Example display shows Monday is selected and ready to program.

3. Press Time ∆ or Time ∇ key until desired Wake time displays.



Press the Time ∆ or Time ∇ key to select time Wake period will begin. Example display shows Wake period will begin at 6:30 AM.

The program times are in fifteen-minute intervals; for example, 8:00, 8:15, 8:30.

4. Press ▲ increase or decrease ▼ until desired Wake temperature displays.

Press ▲ increase or decrease ▼key to select temperature for Wake period. Example display hows heating Wake period set for 68°.

Setpoint temperature range is 40° to 90°F (4° to 32°C) for heating; 55° to 99°F (13° to 37°C) for cooling.

5. Press Fan key to modify fan operation. Selecting Auto means fan runs only when heating or cooling equipment is operating. Selecting On means fan runs continuously for entire schedule period.

Fan

6. Press Heat/Cool Settings key to make selections for opposite system setting (either Heat or Cool).

Heat/Cool Settings

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Press Heat/Cool Settings key to select cooling system (if you previously set heating temperature). Current setting displays. Example display shows cooling system previously set for 78°.

7. Press ▲ increase or decrease ▼ key until desired temperature setpoint displays.

Press ▲ increase or decrease ▼to select cooling Wake temperature. Example display shows cooling Wake period set for 76°.

8. Press Leave, Return or Sleep and repeat steps 3 through 6 to program entire day. The day (first day of a 7-day schedule) is now programmed.

IMPORTANT

Repeat steps 1 through 7 for each day of the week that has a different schedule from the first day. Or refer to Copying a Day section to copy any programmed day to another day.

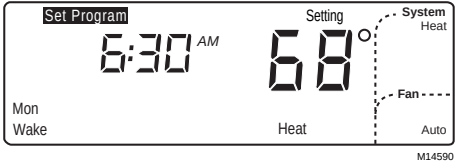
9. Press Run Program key to return to normal operation.

Copying a Day

The thermostat must be in program mode to use the copy feature. Go to step 2 if the thermostat is already in program mode (set program displays in upper left corner).

1. Press Wake, Leave, Return or Sleep key to enter program mode.

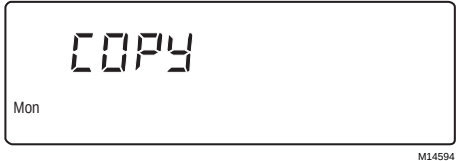
2. Press Day key to select the day to copy from.



M14590

Press Day key to select the day schedule to copy. Example display shows thermostat in program mode with Monday ready to be copied.

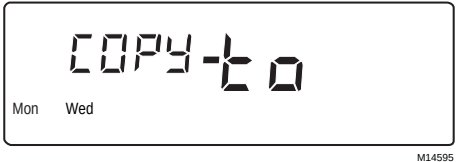
3. Press Copy key.



M14594

Press Copy key to copy a day schedule into memory. Example display shows Monday schedule was coped into memory.

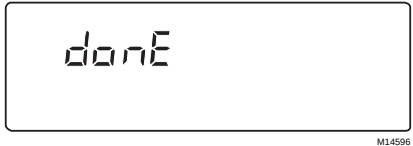
4. Press Day key until day to be copied to is displayed.



M14595

Press Day key again to select the day to copy to. Example display shows Monday and Wednesday. Because Monday was already selected, Monday schedule will be copied to Wednesday.

5. Press Copy key. Copy



M14596

Press Copy key again to complete copy command. Example display shows “donE”. Monday schedule was successfully copied to Wednesday (Monday and Wednesday now have the same schedule).

NOTE: “donE” displays for two seconds before the normal display returns.

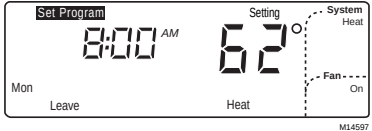
6. Repeat steps, as necessary, for all periods and days desired.

7. Press Run Program key to return to normal operation. Run Program

Clearing a Program Period

Thermostat must be in program mode to use clear feature. Go to step 2 if thermostat is already in program mode (Set Program displays in upper left corner.

1. Press Leave, Return or Sleep key to enter program mode.

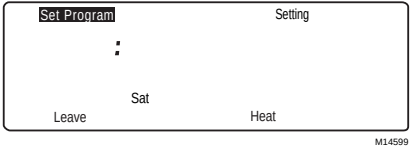


Press Leave, Return, or Sleep to enter the program mode. Example display shows 8:00 AM on Monday in Leave period with Heat set for 62°.

2. Press Day key until desired day displays.

Press Day key to select the day to begin clearing the periods. Example display shows Saturday is selected.

3. Press and hold Leave, Return or Sleep key until start time and temperature setting clear (approximately three seconds).



Press and hold Leave, Return or Sleep key to clear the period for that day. Example display shows Saturday Leave period cleared.

NOTE: Wake cannot be cleared.

You do not have to program a replacement time for the remaining periods; for example, Wake and Sleep. If you clear only Leave and Return periods for Saturday (or any day), thermostat remains in Wake period for all of Saturday until Sleep period.

4. Repeat steps, as necessary, for all periods to be cleared.

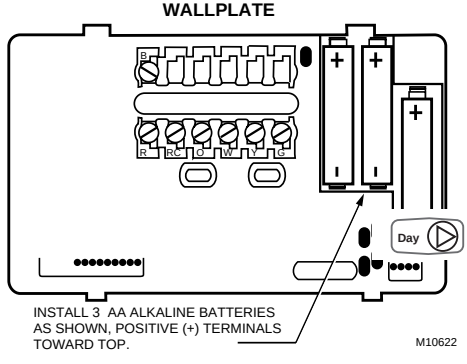
5. Press Run Program key to return to normal operation.

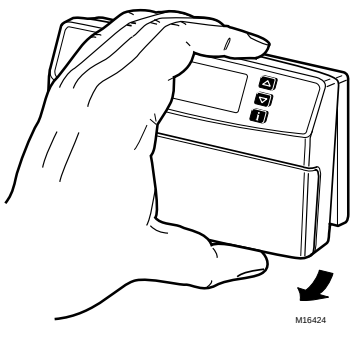
REPLACING THE BATTERIES (T8665C ONLY)

IMPORTANT

Three AA alkaline batteries are included with the thermostat. Batteries must be installed for programming and operation of the thermostat and the heating/cooling system.

1. Install batteries in wallplate so positive terminals all point up (as shown).
2. If the thermostat is already mounted on the wall, remove the thermostat by placing your thumb between the thermostat and wallplate and pulling the thermostat up and away as shown on the next page.





3. When batteries are running low, a REPL BAT message flashes for one to two months before batteries run out completely. Replace batteries as soon as possible after message flashes.

MPORTANT

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

4. If you insert new batteries within 20 to 30 seconds of removing old batteries, the system retains current time and day. If the display is blank, batteries are dead or installed incorrectly. You must reset time and day. See Setting the Clock section.

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

Always use fresh alkaline batteries. Non-alkaline batteries do not last as long and can leak, causing damage to the thermostat and wall surface.

ADAPTIVE INTELLIGENT RECOVERY™ CONTROL

Your new thermostat is so smart, it's almost human. You perceive temperature from a variety of sources, not only from the air in the room, but also from your surrounding walls, windows and furnishings. Humans feel differences in temperature as slight as two degrees Fahrenheit. Common household thermometers and standard thermostats sense only air temperature, which may not reflect how hot or cold the room actually new thermostat reads both the temperature of the wall and in the air, and responds to temperature changes as little as one degree Fahrenheit, so room temperature is more likely to feel right to you and your family.

The thermostat acts like a computer. When calculating the time to turn on your heating or cooling system, it considers air temperature, wall temperature, and the time you want to reach the comfort temperature. After considering these three things, Adaptive Intelligent Recovery™ control gradually changes the temperature from the energy savings setting to the comfort setting (for example, from a heating temperature of 62° at night to 70° in the morning).

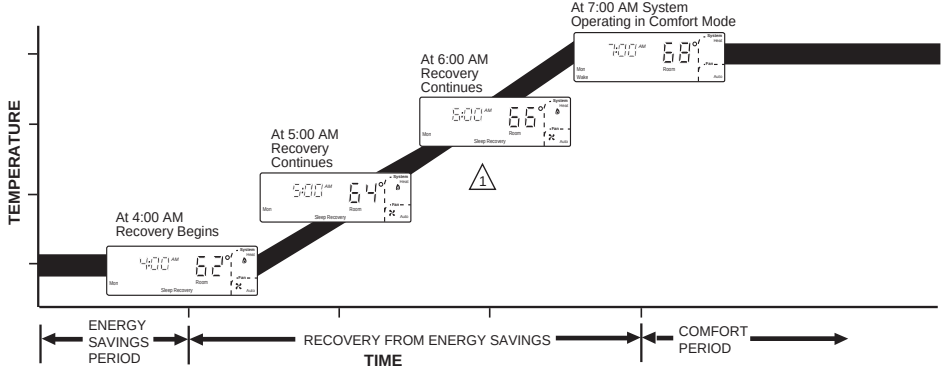
The system runs continuously until the comfort temperature you choose is reached without overshooting the setting. This saves energy.

How do you know when the system is in recovery? The thermostat displays “Recovery” whenever the thermostat activates Adaptive Intelligent Recovery™ control. (See display.) “Recovery” displays during recovery time from Sleep to Wake and from Leave to Return.

After installation or new schedule programming, your thermostat learns from experience. Each day it checks how closely it hit the recovery target (for example, 70° at 6:00 AM) and adjusts the next day’s recovery start time accordingly. After four to eight days, the thermostat has adjusted to local weather, your lifestyle, the construction of your home, and your heating and cooling system.

Optimum Comfort and Energy Savings

In Fig. 3, Adaptive Intelligent Recovery™ control starts to recover at 5:00 AM and reaches the comfort temperature of 68° at 6:30 AM. Recovery time varies with the starting temperature and the comfort temperature you choose.



THE THERMOSTAT USES THE SAME SCHEME TO RETURN GRADUALLY TO LOWER COMFORT TEMPERATURE DURING THE COOLING SEASON.

1 IF **In Recovery** IS DISPLAYED, PRESS i TO SEE THE COMFORT SETPOINT.

M19473

Fig. 3. Explanation of Adaptive Intelligent Recovery™ control.

TROUBLESHOOTING (TABLE 3)

Table 3. Troubleshooting.

Symptom	Possible Cause	Action
Display does not come on.	Thermostat is not being powered.	Check if the thermostat is mounted and latched on the wallplate—mount and latch the thermostat on the wallplate. Check if the circuit breaker is tripped—reset the circuit breaker. Check if the fuse at the fuse box is blown—replace the fuse. Check if System switch at equipment is in the Off position—set to On position. Check if batteries are correctly installed—be sure they are fresh and installed correctly. Replace them, if necessary.

Table 3. Troubleshooting. (Continued)

Symptom	Possible Cause	Action
Temperature setting does not change (Example: cannot set the heating higher or the cooling lower).	The upper or lower temperature limits were reached.	Check that the temperature setpoints are Heating: 40 to 90° (4.5 to 32 °C). Cooling: 45 to 99° (7 to 37 °C).

Table 3. Troubleshooting. (Continued)

Symptom	Possible Cause	Action
Heating does not come on.	The thermostat is part of a Demand Response event. No power to thermostat. System selection is not set to Heat. Heating setpoint is below room temperature.	If thermostat indicates SAVE, wait until energy saving event is complete. To cancel energy saving event, if available, press and hold Run Program. Check that setpoint is above room temperature. Check if circuit breaker is tripped—reset circuit breaker. Check if fuse at fuse box is blown—replace fuse. Check if System switch at equipment is in Off position—set to On position. Wait five minutes for System to respond (thermostat displays “Wait”). Set System selection to Heat.

Table 3. Troubleshooting. (Continued)

Symptom	Possible Cause	Action
Cooling does not come on	The thermostat is part of a Demand Response event. No power to thermostat. System selection is not set to Cool. Cooling setpoint is above room temperature.	If thermostat indicates SAVE, wait until energy saving event is complete. To cancel energy saving event, if available, press and hold Run Program. Check that setpoint is below room temperature. Check if circuit breaker is tripped—reset circuit breaker. Check if fuse at fuse box is blown—replace fuse. Check if System switch at equipment is in Off position—set to On position. Wait five minutes for System to respond—(thermostat displays “Wait”). Set System selection to Cool.

Table 3. Troubleshooting. (Continued)

Symptom	Possible Cause	Action
System on indicator— for heat; for cool— is lit, but no warm or cool air is coming from the registers.	Heating/cooling equipment turns on the fan when the equipment has reached the preset time or temperature.	Wait a minute after seeing the or and then check the registers.
Heat Pump Fault Monitor LED is lighted.	The heat pump signaled the thermostat to indicate a problem.	Move the System switch to Em. Ht setting (heat pump only). See Heat pump Operating Instructions or call your local heat pump dealer or Energy Utility for assistance.

Table 3. Troubleshooting. (Continued)

Symptom	Possible Cause	Action
Room temperature is cooler than current setting and air conditioner is still running.	Thermostat is operating in Pre-cool mode. If the thermostat displays PrE, wait until the Pre-cool event is complete. To cancel, press and hold Run Program for three seconds until DONE is displayed.	If PrE does not display, contact your local heating contractor or Energy Utility.
Outdoor temperature is not displayed or is incorrect.	Installer did not activate this option. Outdoor sensor is connected incorrectly. Filter expired.	Contact installer or service technician. Press **i** key twice for outdoor temperature when filter expiration shows on display. Refer to the Filter Indicator section.

Table 3. Troubleshooting. (Continued)

Symptom	Possible Cause	Action
1COM is displayed.	The thermostat is unable to communicate with Energy Utility management system controller.	Contact your energy utility for assistance.
Heat or cool turns on before programmed time.	Adaptive Intelligent Recovery™ control is on.	Adaptive Intelligent Recovery™ control brings the heat or cool on early to meet the temperature set for the programmed period. See Adaptive Intelligent Recovery™ control section. To disable Adaptive Intelligent Recovery™ control, contact you local Heating and Air Conditioning contractor.

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 where 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

After reading this guide, if you have any questions about the operation of your thermostat, please visit the Honeywell website at www.honeywell.com/yourhome. For service, contact your Installer or Energy Utility company or service provider.

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

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