

Features of your VisionPRO thermostat

With your new thermostat, you can:

- **Connect to the internet to monitor and control your heating/cooling system and receive alerts by email (requires optional RedLINK Internet Gateway)**
- **View outdoor temperature and humidity (requires optional Wireless Outdoor Sensor)**
- **Control humidification, dehumidification or ventilation (TH8321 model)**

Your new thermostat also provides:

- **Adaptive Intelligent Recovery—over time, the VisionPRO thermostat “learns” how long it takes your system to reach the temperature you want. It turns on the heating or cooling system earlier to make sure you’re comfortable at the time you expect.**
- **Dealer information on the screen—making it easy for you to contact your dealer for service.**
- **Vacation and holiday scheduling—allowing you to program a setback temperature to save energy while you are away.**
- **Keypad lockout to prevent unauthorized changes.**
- **Equipment status—provides on/off status of all equipment controlled by the thermostat.**
- **Preferences—allowing you to customize the thermostat to your desired settings.**

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Menu Options

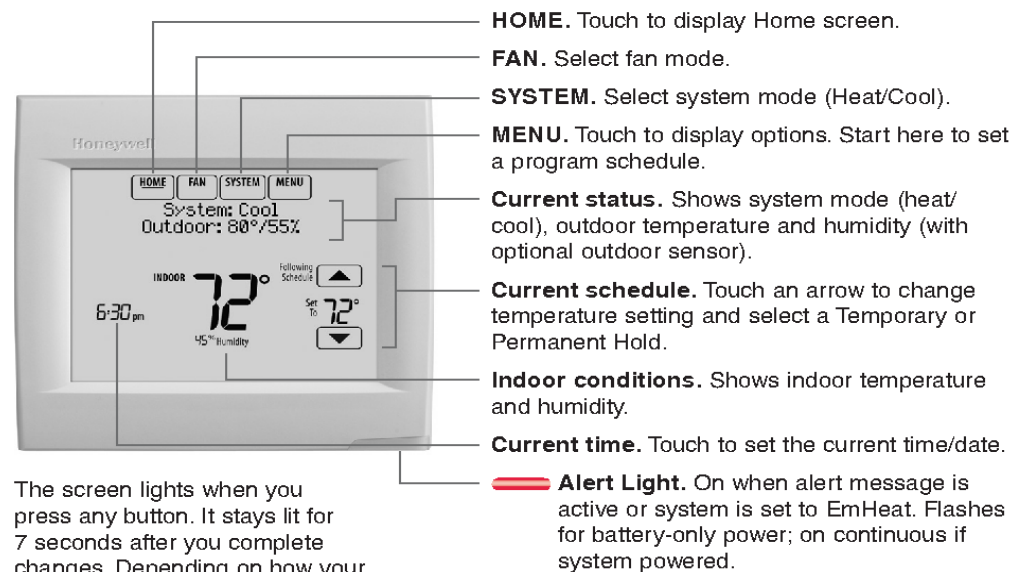
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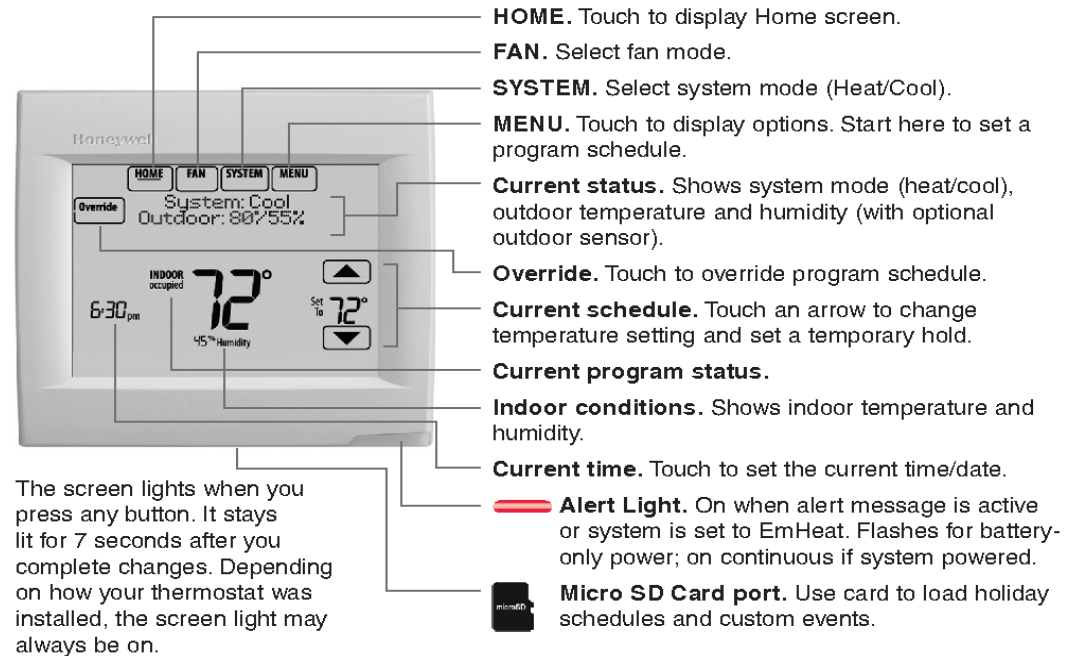
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Quick reference: residential use




The screen lights when you press any button. It stays lit for 7 seconds after you complete changes. Depending on how your thermostat was installed, the screen light may always be on.

Quick reference: commercial use



Setting the time/date

- 1 Touch the current time. The screen displays **Select Option**.
- 2 Touch Time or Date, then touch **Select**.
- 3 Touch ▲ or ▼ until the proper time/date is displayed.
- 4 Touch **Done** to save or **Cancel** to ignore changes.
- 5 Touch **Home** to redisplay the Home screen.

 **NOTE:** The date is not shown on the home screen; however, it should be set to allow the thermostat to adjust time automatically for daylight saving time and for other features such as vacation hold.



Setting the fan

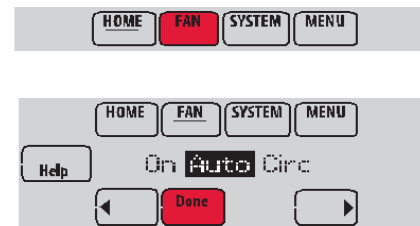
- 1 Touch **FAN** to display fan settings.
- 2 Touch **On**, **Auto**, **Circ**, or **Follow Schedule**.
- 3 Touch **Done** to save and exit.

On: Fan is always on.

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

Circ: Fan runs randomly about 35% of the time (residential use only).

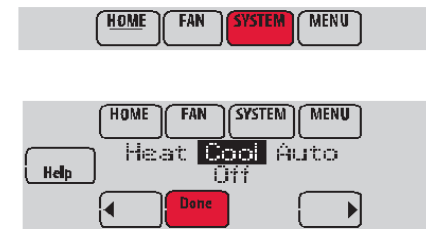
Follow Schedule: Fan controlled by program (see pages 8–12).




NOTE: In commercial use, touch Auto or On to temporarily override the programmed fan schedule.

Setting system mode

- 1 Touch **SYSTEM** to display system settings.
- 2 Touch desired option:
 - Heat:** Controls only the heating system.
 - Cool:** Controls only the cooling system.
 - Off:** Heating/cooling systems are off.
 - Auto:** Selects heating or cooling depending on the indoor temperature.
 - Em Heat (heat pumps with aux. heat):** Controls auxiliary/emergency heat. Compressor is locked out.
- 3 Touch **Done** to save and exit.



 **NOTE:** The **Auto** and **Em Heat** system settings may not appear, depending on how your thermostat was installed.

Preset energy-saving schedules

This thermostat uses default Energy Saver settings that can reduce your heating/cooling expenses by as much as 33%. To customize settings, see next page.


Residential Use	Period	Start time	Heat (Mon-Fri)	Cool (Mon-Fri)	Heat (Sat-Sun)	Cool (Sat-Sun)
	Wake	6:00 am	70°	78°	70°	78°
	Leave	8:00 am	62°	85°	62°	85°
	Return	6:00 pm	70°	78°	70°	78°
	Sleep	10:00 pm	62°	82°	62°	82°

Commercial Use	Period	Start time	Heat	Cool	Fan
	Occupied 1	8:00 am	70°	75°	On
	Unoccupied 1	10:00 pm	55°	85°	Auto
	Occupied 2*	12:00 am	70°	75°	On
	Unoccupied 2*	12:00 am	55°	85°	Auto

* Period 2 is cancelled by default. If you activate it, the values shown above are default settings.

Adjusting program schedules

- 1 Touch **MENU**.
- 2 Select **Edit Schedule** to display **Use Scheduling Assistant?**
 - Touch **Yes** to create a schedule by answering simple questions.
 - Touch **No** to manually create a program schedule. See page 10.

 **NOTE:** To reduce costs, use the pre-set Energy Saver settings described on page 8.

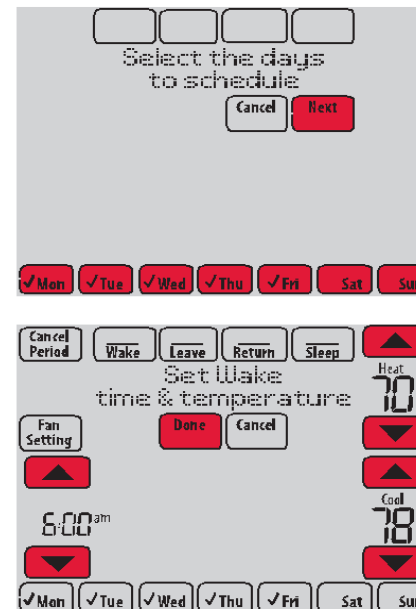


Adjusting program schedules (continued)

- 3 Select the days to schedule, touch **Next**.
- 4 Touch ▲ or ▼ to set your Wake time for selected day(s).
- 5 Touch ▲ or ▼ to set Heat and Cool temperatures for the Wake period.
- 6 Touch other time periods (**Leave**, **Return**, **Sleep**) to set time and temperatures for each.
- 7 Touch **Done** to save and exit (Touch **Cancel** to exit without saving changes).

 **NOTE:** Touch **Cancel Period** to eliminate any unwanted time period.

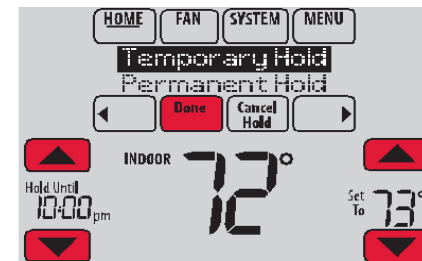
 **NOTE:** Touch **Fan Setting** to customize fan settings for any time period.



Overriding schedules: residential use

- 1 Touch ▲ or ▼ to adjust the temperature (right side of screen) and the Hold Until time (left side). The schedule will resume when the Hold Until time expires.
- 2 Select **Permanent Hold** to keep the same temperature until you change it or resume the program schedule.

Touch **Cancel Hold** at any time to resume the program schedule.

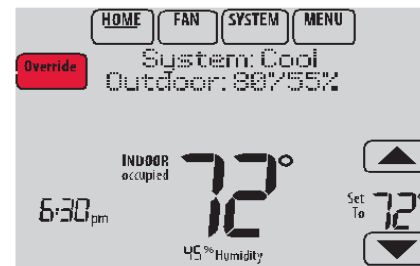


Overriding schedules: commercial use

Touch ▲ or ▼ to adjust the temperature. It will be maintained until the hold time you set.

- To change the hold time, touch the Hold Until arrow buttons. This time can be adjusted up to the maximum time set by the installer.
- Touch **Override** to use a pre-set occupied temperature if a person uses the room during an unoccupied period. The new temperature will be maintained for 1 hour and can be adjusted up to the maximum time set by the installer.

The programmed schedule will resume when the override timer expires. Touch **Cancel Hold** at any time to resume the program schedule.



Viewing equipment status

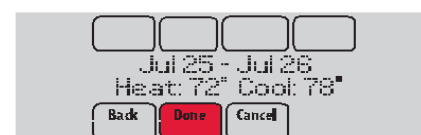
- 1 Touch **MENU**.
- 2 Select **Equipment Status**.
- 3 Touch ▲ or ▼ to view the status of all the equipment your thermostat is controlling. Depending on how your thermostat was installed, the Equipment Status screen can report data about the following systems:
 - Heating and cooling
 - Fan
 - Humidification
 - Dehumidification
 - Ventilation
 - Maintenance reminders
 - Thermostat information.



Setting vacation hold: residential use

This feature helps you save energy while you are away, and restores comfortable settings just before you return home.

- 1 Touch **MENU**.
- 2 Select **Vacation Mode**.
- 3 Touch ▲ or ▼ to select the date you leave, then touch **Next** for further scheduling details, including times of day, temperature settings, return date, and return settings.
- 4 Review your selections on the last display, and touch **Done** to save your settings. Touch **Cancel** to ignore the changes.



Setting holiday/event schedules: commercial use

This feature helps you conserve energy when the workplace is unoccupied for special events and holidays.

- 1 Touch **MENU**.
- 2 Select **Holiday Schedule**.
- 3 Select the item you want to schedule and touch **Next** for further scheduling details.
 - Custom Events lets you set up other days for special schedules.
 - US and Canadian Holiday options let you select from a list of holidays commonly observed in each country.
- 4 Make selections as prompted on each screen. For more information, see next two pages.
- 5 Touch **Done** to save your settings.



Setting custom events: commercial use

This feature lets you customize temperature settings to be maintained during a specific event. You can set up an event for a specific date or day in a month. The thermostat resumes normal scheduling after the event.

- 1 Select **Custom Events** from the Holiday Schedule menu.
- 2 Select **Create New Event**.
- 3 Select **Specific Date** or **Month/Weekday**.
 - For **Specific Date**, you are prompted to select the event's start date, settings, end date, and frequency.
 - For **Month/Weekday**, you are prompted to select the month, day of the week, week of the month, settings, length of event, and frequency for the event.
- 4 Review the settings and touch **Done** to save them. Touch **Cancel** to ignore the changes.



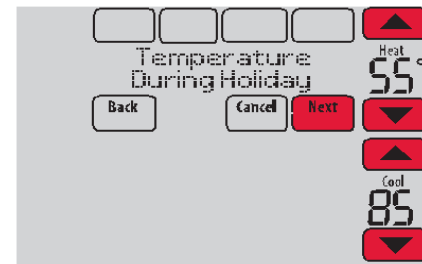
Setting holiday schedule: commercial use

This feature lets you customize temperature settings to be maintained on specified national holidays. The thermostat resumes normal scheduling between selected holidays.

- 1 Select **US Holidays** or **Canadian Holidays** from the Holiday Schedule menu.
- 2 Select **Add/Edit Holidays**. A list of national holidays is displayed.
- 3 Touch the check box next to each holiday for which you want to maintain specific settings, (Touch ▲ or ▼ to scroll through the holiday list.) then touch **Next**.

Set the holiday schedule for Occupied or Unoccupied temperatures, depending whether the building will be in use.


- 4 Touch ▲ or ▼ to select the Heat and Cool temperatures.
- 5 Review the settings and touch **Done** to save them. Touch **Cancel** to ignore changes.

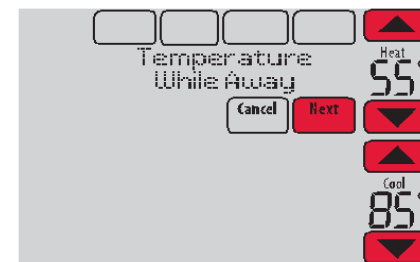


Setting holiday override: commercial use

This feature lets you customize temperature settings to be maintained from now until a specified date. The thermostat resumes normal scheduling on the date you select.

- 1 Touch **MENU**.
- 2 Select **Holiday Mode** to display Temperature While Away.
- 3 Touch ▲ or ▼ to select the Heat and Cool temperatures, then touch **Next** to select return date.
- 4 Review the settings and touch **Done** to save them. Touch **Cancel** to ignore the changes.


 **NOTE:** The cool temperature can only be set higher than the unoccupied program setting and the heat temperature can only be set lower than the unoccupied program setting.

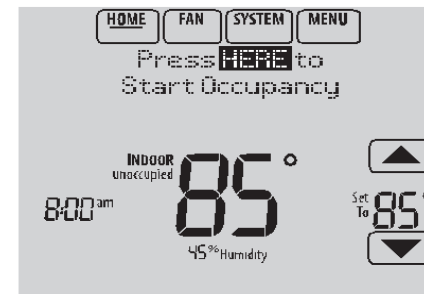


Initiating occupancy mode: commercial use

This feature keeps temperature at an energy-saving level until you touch **Press HERE to Start Occupancy**. When you arrive, touch the message to maintain a comfortable temperature while the room is occupied.

Touch the ▲ or ▼ buttons to set the temperature or the Hold Until time. The temperature is maintained until the time you set. Temperature returns to an energy-saving level after the timer expires, or the “Occupied” period ends.

 **NOTE:** This feature is available only when programmed by the installer.



Remote setback (commercial use)


During Occupied program periods, an occupancy sensor directs the thermostat to go to REMOTE SETBACK settings when the room is empty. If someone is in the room, it uses the Occupied program period settings. The thermostat ignores the occupancy sensor during Unoccupied program periods.


If the thermostat is set up to be non-programmable, the sensor directs the thermostat to go to REMOTE SETBACK settings when the room is empty. If someone is in the room, then it follows the settings set by the user.

Depending on how your thermostat was installed, it may delay for up to 30 minutes before switching to REMOTE SETBACK settings. This delay allows the room to stay comfortable if the room is unoccupied for only a short time.

Adjusting humidification settings

- 1 Touch **MENU** and select **Humidification**.
- 2 Select **Auto**.
- 3 Touch ▲ or ▼ to select humidity level.
- 4 Touch **Done** to save your settings. Touch **Cancel** to ignore changes.
- 5 If frost or condensation appears on the windows, touch **MENU**, then select **Window Protection**. (Use a lower number to prevent frost or condensation. Use a higher number if indoor air is too dry.)

 **NOTE:** Window Protection is available only if an outdoor air sensor is installed.

 **NOTE:** The thermostat controls humidification and dehumidification as needed to maintain the desired humidity level. Depending on how your thermostat was installed, the thermostat may maintain a 15% separation between humidification and dehumidification settings.

