Honeywell

Operating Manual

PRO 2000 Series

Programmable Thermostat

69-2799EFS-01

This manual covers the following models:

TH2110DV: For 1 Heat/1 Cool systems
TH2210DV: For 2 Heat/1 Cool heat pump systems only

(Pull thermostat from wallplate and turn over to find model number.)

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 **http://yourhome.honeywell.com**
or call Honeywell Customer Care toll-free at **1-800-468-1502**

Read and save these instructions.

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This thermostat is ready to go!

Your new thermostat is pre-programmed and ready to go.
See page 9 to check settings.

About your new thermostat

Your new Honeywell thermostat has been designed to give you many years of reliable service and easy-to-use, push-button climate control.

Features

- Backlit display is easy to read
- Displays ambient (measured) temperature at all times
- One-touch access to setpoint temperature
- Preset program settings
- Temporary and permanent override of schedule
- Early start ensures the right temperature at the right time
- 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**: Preset to Off .....*To change, see page 7*
3. **Select fan setting**: Preset to Auto .....*To change, see page 8*
4. **Program schedules:** Preset to energy-saving levels while you're at work or asleep.....*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

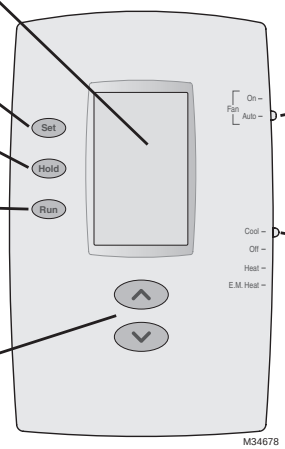
Set: Press to set time/day/schedule.

Hold: Press to override programmed temperature control.

Run: Press to resume program schedule.

Temperature adjustment

Screen Lit for 12 seconds when you press any button.



Fan Switch (see page 8)
On: Fan runs continuously.
Auto: Fan runs only when heating or cooling system is on.

System switch (see page 7)

- **Cool:** Cooling system control.
- **Off:** All systems off.
- **Heat:** Heating system control.
- **Em Heat:** Emergency & Auxiliary Heat control. Compressor is locked out. (Select models only.)

Quick reference to display screen

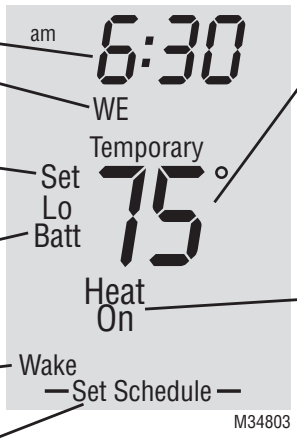
Current day/time
(see page 6)

Setpoint indicator
Appears when the setpoint temperature is displayed.

Low battery warning
(see page 16)

Current program period
Wake/Leave/Return/Sleep
(see pages 9–10)

Set Schedule
(see pages 9–10)



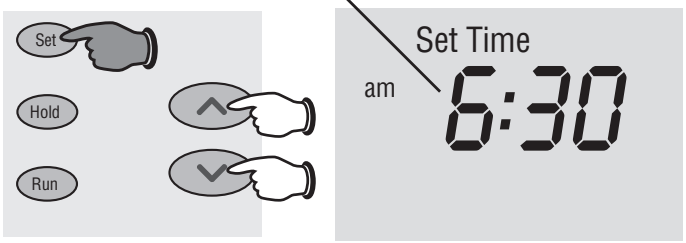
Temperature
The ambient (measured) temperature is normally displayed. To view the setpoint temperature, press the Up or Down button once. The setpoint temperature will appear for five seconds.

System status
Cool On: Cooling system is on.
Heat On: Heating system is on.
Aux On: Auxiliary heat is on. (Only for heat pumps with this capability [select models only].)

When Heat On or Cool On is flashing, compressor protection is engaged (see page 14).

Set the time and day

Press **SET**, then adjust time.



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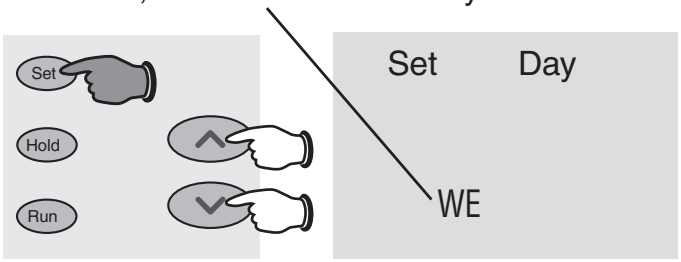
Press **SET**, then select current day.



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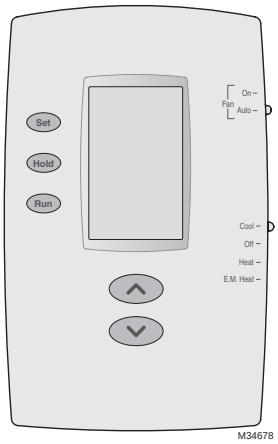
1. Press the **SET** button, then press ▲ or ▼ to set the clock time.
2. Press the **SET** button, then press ▲ or ▼ to select the day of the week.
3. Press **RUN** to save & exit.

Note: If the clock flashes, the thermostat will follow your settings for the Monday “Wake” time period until you reset the time and day.

Select the system setting



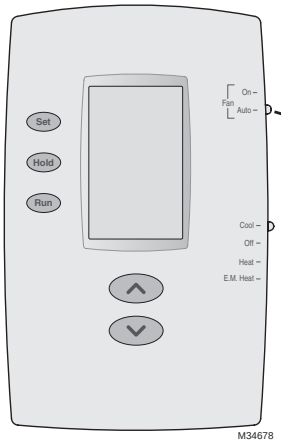
Set **SYSTEM** switch to control the heating or cooling system.

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

- **Cool:** Cooling system control.
- **Off:** All systems are off.
- **Heat:** Heating system control.
- **Em Heat:** Emergency & Auxiliary Heat control. Compressor is locked out. (Select models only.)

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

Select the fan setting



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.

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 time you awaken and the temperature you want during the morning, until you leave for the day.

LEAVE
8:00 am
62°

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

RETURN
6:00 pm
70°

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

SLEEP
10:00 pm
62°

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

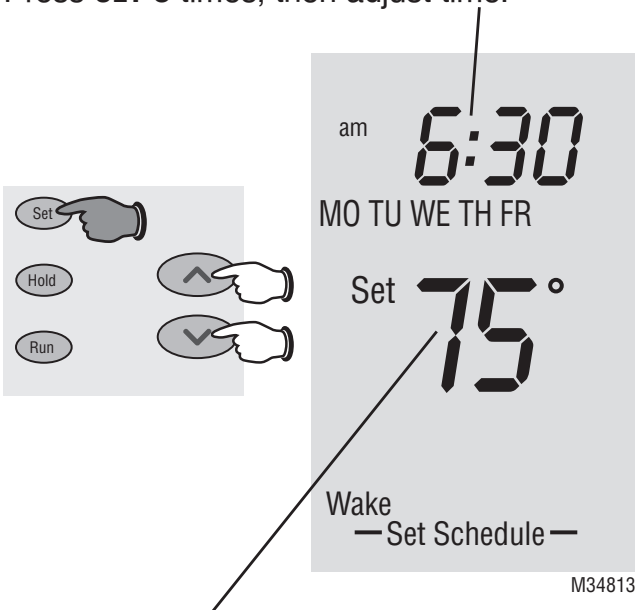
Energy saving settings for maximum cost savings

This thermostat is pre-set to use energy saving 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°	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°

To adjust program schedules

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



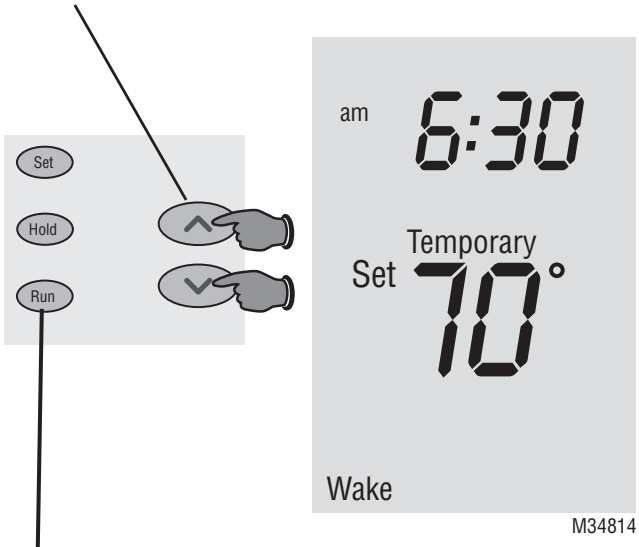
Press **SET**, then set desired temperature.

1. Press **SET** until Set Schedule is displayed.
2. Press ▲ or ▼ to set your weekday Wake time (Mo-Fr), 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 weekday time period.
5. Press **SET** to set weekend time periods (Sa & Su), then press **RUN** to save & exit.

Note: Make sure the thermostat is set to the system you want to program (Heat or Cool).

Program schedule override (temporary)

Press to temporarily adjust temperature.



Press to cancel temporary setting and resume program schedule.

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

"Temporary" will appear on the display and the current program period will flash.

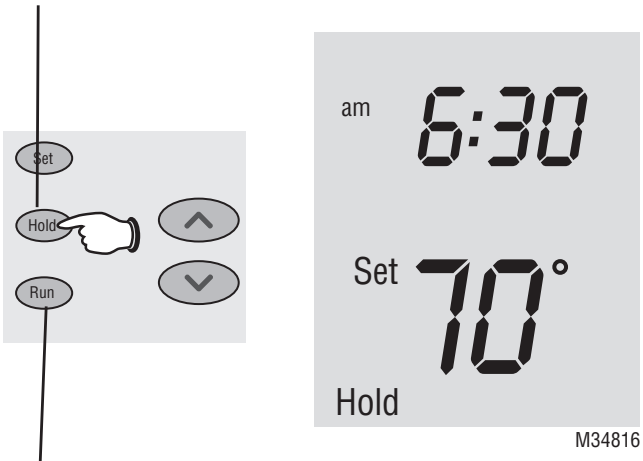
The new temperature will be maintained only until the next programmed time period begins (see page 9).

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

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

Program schedule override (permanent)

Press to permanently adjust temperature.



Press to cancel “Hold” setting and resume program schedule.

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

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.

Note: Make sure the thermostat 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 5 minutes before restarting.

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

Early Start

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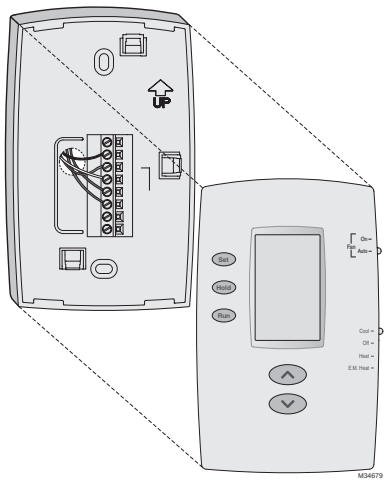
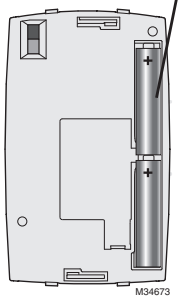
Early Start: This feature allows the heating or cooling to turn on before the program start time, so the temperature is reached at the time you set. For example: Set the Wake time to 6 am, and the temperature to 70°. The heat will come on before 6 am, so the temperature is 70° by the time you wake at 6. The next time period is displayed when the system is activated before a scheduled time period.

Battery replacement

Pull at bottom to remove thermostat from wallplate.



Turn thermostat over, insert fresh AAA alkaline batteries, then reinstall thermostat.



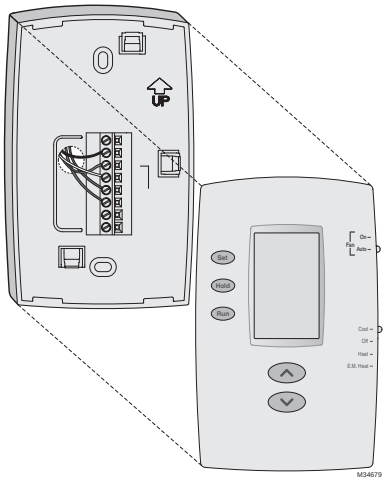
Install two fresh AAA batteries when **Lo Batt** flashes on the screen. **Lo Batt** appears for 60 days before the batteries are depleted.

Replace batteries once a year, or when you will be away for more than a month.

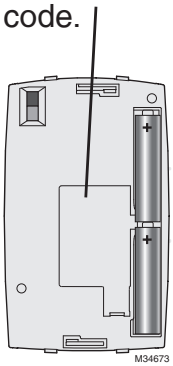
Most settings are stored in non-volatile (permanent) memory. Only the clock and the day must be set after you replace the batteries.

Customer assistance

Pull at bottom to remove thermostat from wallplate.



Turn thermostat over to find model number and date code.



For assistance with this product, please visit **http://yourhome.honeywell.com**.

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

In case of difficulty

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

Display is blank

- Check circuit breaker and reset if necessary.
- Make sure power switch at heating & cooling system is on.
- Make sure furnace door is closed securely.
- Make sure fresh AAA alkaline batteries are correctly installed (see page 16).

Heating or cooling system does not respond

- Set system switch to Heat (see page 7). Make sure the temperature is set higher than the Inside temperature.
- Set system switch to Cool (see page 7). Make sure the temperature is set lower than the Inside temperature.
- 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 Heat, and set the temperature level above the current room temperature (see page 7).
“Cool On” is not displayed	• Set the System switch to Cool, and set the temperature level below the current room temperature (see page 7).

2-year limited 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.

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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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, Toronto, Ontario M1V4Z9.

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