PRO

Operation Manual

PRO

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T855iSH

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Hours of Operation: M-F 9AM - 6PM Eastern

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Una version en español de este manual se puede descargar en la pagina web de la compañia.

Caution

Equipment damage hazard. Do not operate the cooling system if the outdoor temperature is below 50 ˚F (10 ˚C) to prevent possible compressor damage.

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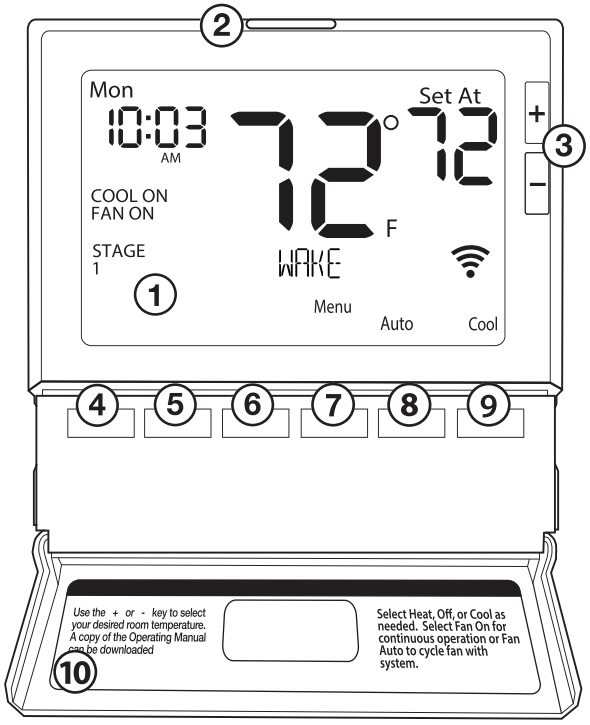
Rev. 2028



Thermostat Operation

1 Glow in the dark light button

The glow in the dark light button will self illuminate for several hours after exposure to ambient light. This button turns on the display light when pressed.

2 LCD Display

See page 6 for details about this display readout.

3 Temperature Setpoint Buttons

Press the [+] or [−] buttons to select the desired room temperature.

4-6 Program Buttons

Program Buttons
See pages 10-15 for details about setting the time and program.

7 Program Menu Button

Shows different options during programming.

8 Fan Button

Select **ON**, **AUTO** or **IAQ**. The **ON** setting will run the fan continuously. The **AUTO** setting will cycle the fan on only when the heating or cooling system is on. IAQ will enable **IAQ FAN MODE**, if selected..

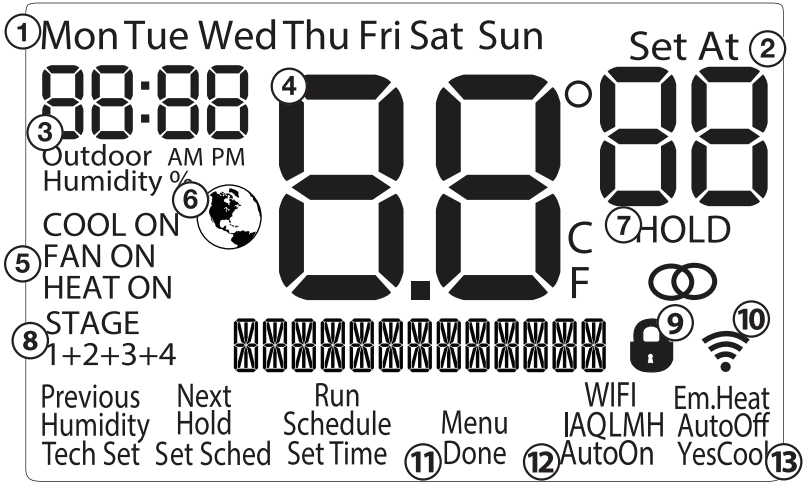
9 System Button

Selects the operation mode on your **HVAC** system. Selecting **HEAT** turns on the heat mode. Selecting **COOL** turns on the cool mode. Selecting **OFF** turns both heating and cooling off. Selecting **AUTO** will turn the **HEAT** or **COOL** on as needed. (**EM HEAT** will appear as an option if operating a heat pump. **EM HEAT** setting will turn on emergency heat.)

10 Button Door

See page 4 for further information.

Thermostat Quick Reference

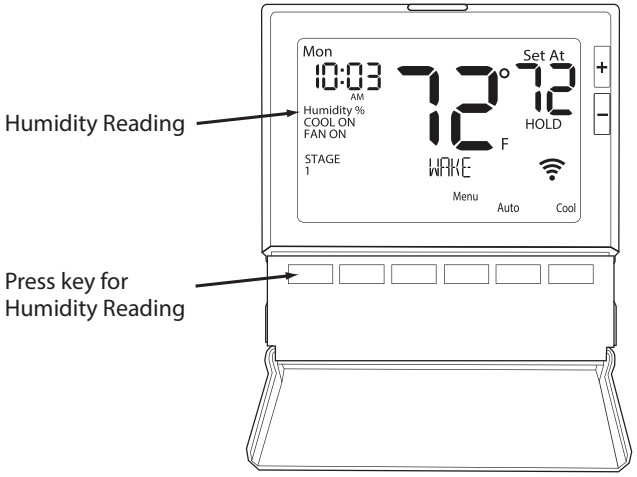


1. **Day of the Week**
2. **Setpoint Indicator:** Displays the user selectable setpoint temperature.
3. **Time of Day / Outdoor Temp / % Humidity**
4. **Indicates current room temperature**
5. **Indicates if heating or cooling equipment is running**
6. **Energy Efficient Globe:** Indicates the setpoint temperature chosen is a efficient choice.
7. **Hold Indicator:** Displayed when the thermostat is in permanent hold
8. Indicates the number of heating or cooling stages running
9. **Keypad Lockout:** Indicates the thermostat is in keypad lockout
10. **WIFI Indicator:** Indicates if WIFI is connected.
11. **Program Menu Buttons:** Shows different options during programming.
12. **Fan Button:** Changes the fan operation between Auto, IAQ, and On.
13. **System Button:** Changes the system operation between Off, Cool, Auto, Heat, and Emergency Heat based on system tech setting.

Setting Target Humidity Setpoint

Follow the steps below to change your target humidity setpoint.

Press the **HUMIDITY** key
Use the [+] or [−] key to select the target humidity setpoint.
Press **DONE** when completed.

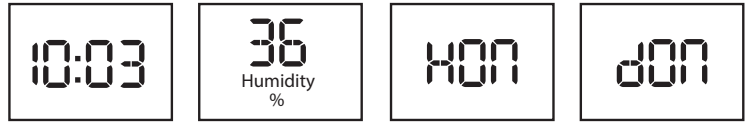


Setting the Humidity

Setting Target Humidity Setpoint

Ambient humidity will flash in the time field when Humidify or De-Humidify is set to **ON.**

HON will also flash when the Humidity terminal is energized. **dON** will also flash when the De-Humidify terminal is energized.



Note:
The target humidity setpoint is not programmable. Unlike temperature, humidity does not change quickly and should not be programmed.

Humidity is only energized during heat. Dehumidify is only energized during cool. Heat and Cool each have their own target setpoints.

Recommended Heating Settings:

The table on page 11 shows recommended indoor humidity levels in relation to outdoor temperatures during heating (adding humidity).

Recommended Cooling Settings:

Consult your professional HVAC technician for recommended settings for your climate.

Setting the Humidity

Outside Temperature (0˚F)	Recommended Relative Humidity
+20˚ and above	35% to 40%
+10˚	30%
0˚	25%
-10˚	20%
-20˚	15%

Set Time (If using programming)

Follow the steps below to set the day of the week and current time:

1. Press the **MENU** button.
2. Press **SET TIME.**
3. Day of the week will be flashing. Use the + or − key to select the current day of the week.
4. Press **NEXT.**
5. The current hour is flashing. Use the + or − key to select the current hour. When using 12-hour time, make sure the correct a.m. or p.m. choice is selected.
6. Press **NEXT.**
7. Minutes are now flashing. Use the + or − key to select current minutes.
8. Press **DONE** when completed.

Important:

You will see a **TECH SETUP** option after the **MENU** key is pressed. This **TECH SETUP** key is for installer configuration and should **NOT** be changed unless you consult your professional heating and air conditioning technician.

To customize your 7 day 4 time period Program schedule, follow these steps:

Monday:

1. Select **HEAT** or **COOL** with the **SYSTEM** key.
   Note: You have to program heat and cool each separately.
2. Press the **MENU** button (If menu does not appear first, press **RUN SCHED**).
3. Press **SET SCHED**. **Note:** Monday is displayed and the **WAKE/OCC1** icon is shown. You are now programming the **WAKE/OCC1** time period for that day.
4. Time is flashing. Use the + or − key to make your time selection for that day's **WAKE/OCC1** time period.
   Note: If you want the fan to run continuously during this time period, select **ON** with the **FAN** key. If you want to use **IAQ** mode during this time period, select **IAQ** with the **FAN** key.
5. Press **NEXT.**
6. The setpoint temperature is flashing. Use the + or − key to make your setpoint selection for that day's **WAKE/OCC1** period.
7. Press **NEXT.**
8. Repeat steps 4 through 7 for that day's **LEAVE/UNOCC1** time period, for that day's **RETURN/OCC2** time period, and for that day's **SLEEP/UNOCC2** time period.

Repeat steps 4 through 8 for the remaining days of the week.

A Note About Auto Changeover:
When in Auto you have the ability to switch between auto heat or auto cool by pressing the system key. This can be done once the current mode has reached its setpoint. For example: if in auto heat, the heat setpoint must be satisfied before the thermostat will allow you to switch to auto cool. You can switch out of auto by holding down the system key. To get back into auto, you must toggle the system key to auto.

Programming

Set Program Schedule For Two Time Periods (OCCUPIED, UNOCCUPIED)

Monday:

1. Select **HEAT** or **COOL** with the **SYSTEM** key.
   Note: You have to program heat and cool each seperately.
2. Press the **MENU** button (If menu does not appear first press **RUN SCHED**).
3. Press **SET SCHED**. **Note:** Monday is displayed and the **OCCUPIED** text is shown. You are now programming the **OCCUPIED** time period for that day.
4. Time is flashing. Use the [+] or [-] key to make your time selection for that day's **OCCUPIED** time period.
   Note: If you want the fan to run continuously during this time period, select **ON** with the **FAN** key. If you want to use **IAQ** mode during this time period, select **IAQ** with the fan key.
5. Press **NEXT.**
6. The setpoint temperature is flashing. Use the [+] or [-] key to make your setpoint selection for that day's **OCCUPIED** period.
7. Press **NEXT.**
8. Repeat steps 4 through 7 for that day's **UNOCCUPIED** time period.

Repeat steps 4 through 8 for the remaining days of the week.

A Note About Programmable Fan:
The programmable fan feature will run the fan continuously during any time period when it is programmed to be on. This is the best way to keep the air circulated and to eliminate hot and cold spots in your building. If using **IAQ** mode, set fan to IAQ for any time period.

Temporary & Permanent Hold Feature

Temporary Hold: The thermostat will display **HOLD** and **RUN SCHED** on the bottom of your screen when you press the + or − key. If you do nothing, the temperature will remain at this setpoint temporarily for a selected amount of time. After this, the program setpoint will then replace your temporary setpoint.

Permanent Hold: With a temporary hold set, if you press the **HOLD** key at the bottom of your screen, you will see **HOLD** appear below the setpoint temperature in the display. The thermostat will now permanently stay at this setpoint and can be adjusted using the + or − keys.

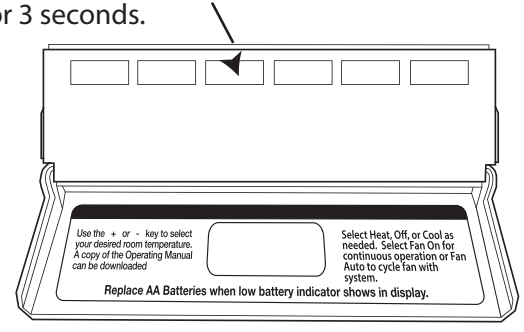
To Return To Program: Press the **RUN SCHED** key at the bottom of your screen to exit temporary and permanent holds.

Features

Filter Change & Other Reminders

If your HVAC contractor has configured the thermostat to remind you when the air filter needs changed, you will see a reminder in the display when your air filter needs to be changed.

Resetting The Filter Change Reminder: When the reminder is displayed, you should change your air filter and reset the reminder by holding down the **Set Time/Run Schedule** button of the thermostat for 3 seconds.



This thermostat also has other maintenance reminders (Humidity Pad, UV lamp, and IAQ Cell), that are reset with the same procedure.

Keypad Lockout Note:

Keypad lockout provides the option to disable some or all of the buttons on the thermostat. This feature is activated by pressing and holding the [+] and [-] buttons for 3 seconds. On this model, the keypad lockout feature has a selectable option to create a custom code for keypad lockout operations. Also, if a code is not created for keypad lockout, this feature will still perform keypad lockout functions without a custom created code. If a custom keypad lockout code is enabled, the custom created code will need to be entered in order to disable the keypad lockout on the screen. If the custom code is created and the occupant forgets the custom lockout code, the master keypad lockout code will always override any custom created code. The master keypad lockout code is 7761.

Warranty Registration

Your new thermostat has a 5 year limited warranty. You must register your thermostat within 60 days of installation. Without this registration the warranty period will begin on the date of manufacture. For warranty issues please contact the HVAC professional that installed this product. You can register your new thermostat in 2 ways:

Online

Go to the company website, select warranty registration and fill out a short registration form.

Mail

Complete the form below and mail it to the address shown.

Warranty Registration

Name: _____

Address: _____

_____

City: _____

State: _____

Zip: _____

Thermostat Model: _____

Date Installed: _____

Complete form and mail to:

Thermostat Warranty Registration
Pro1iaq
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Cut Out For
Warranty Registration

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