PRO

Operation Manual

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Operation Manual

# T855S

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

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Una version en espanol de este manual se puede descargar en la pagina web de la compania.

**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. 1626




**1 LCD Display**

See page 6 for details about this display read out.

**2 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.

**3 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 programmed.

**4 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)

**5 Temperature Setpoint Buttons**

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

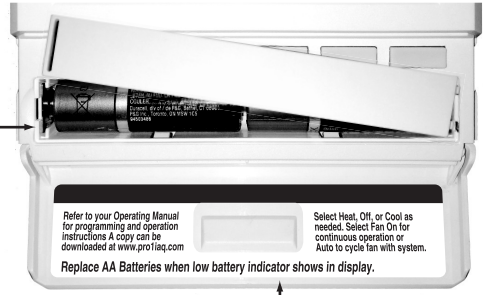
**6 Button and Battery Door**

See page 4 for further information.

Thermostat Quick Reference

## Battery Door Information

Replace with 2 AA alkaline Batteries. High quality Alkaline batteries are recommended.




Simple operating instructions are found on the back of the battery door.

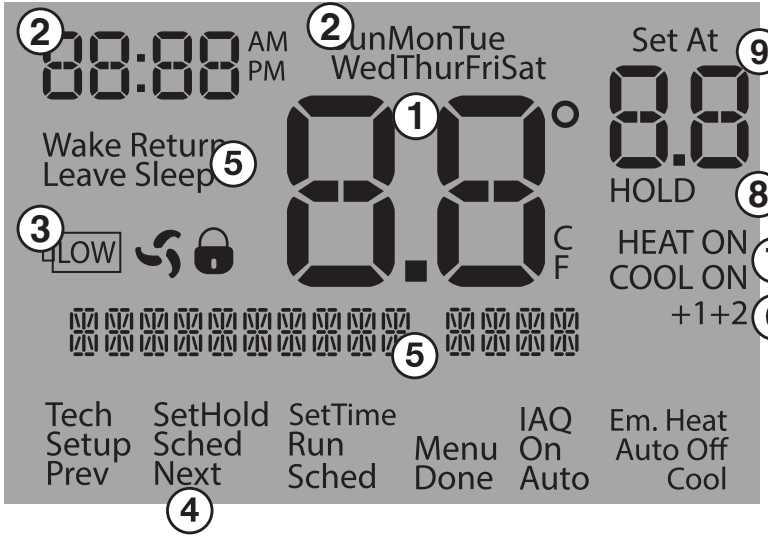
### Caution:

When the battery icon appears replace your AA batteries immediately. Failure to do so may result in your heating & cooling system becoming inoperable. Freezing or overheating can occur.

### Important:

The low battery indicator is displayed when the AA battery power is low. If the user fails to replace the battery within 21 days, the screen will only show the low battery indicator but maintain all functionality. If the user fails to replace the batteries after an additional 21 days (days 22-42 since first "low battery" display) the setpoints will change to 55˚F (Heating) and 85˚F (Cooling). If the user adjusts the setpoint away from either of these, it will hold for 4 hours then return to either 55˚F or 85˚F. After day 63 the batteries must be replaced immediately to avoid freezing or overheating because the thermostat will shut the unit off until the batteries are changed.

Thermostat Quick Reference




1. **Indicates the current room temperature**
2. **Time and day of the week**
3. **Low Battery Indicator:** Replace batteries when this indicator is shown.
4. **Program Menu Options:** Show different options during programming.
5. **Program Time Periods - Residential:** Uses 4 time periods - WAKE, RETURN, LEAVE & SLEEP. **Commercial:** Uses 2 or 4 time periods that appear in the text field - Occupied & Unoccupied.
6. **Staging Indicators:** +1 will appear in the display when second stage of heat or cool is on. +2 will appear for third stage of heat.
7. **System Operation Indicators:** If these or the Fan indicator are flashing, it means that they are in a delay of some type (compressor delay, cooling fan delay, staging delay).
8. **Hold:** is displayed when the thermostat program is permanently overridden.
9. **Setpoint:** Displays the user selectable setpoint temperature.

Programming

## 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 STEP.**
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 STEP.**
7. Minutes are now flashing. Use the + or − key to select current minutes.
8. Press **DONE** when completed.

**Important:**

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

## Set Program Schedule For Four Time Periods

**(WAKE, LEAVE, RETURN, SLEEP or OCCUPIED 1, UNOCCUPIED1, OCCUPIED 2, UNOCCUPIED 2)**

**To customize your 5+1+1 Program schedule, follow these steps:**

**Weekday:**

1. Select **HEAT** or **COOL** with the system switch.
   **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-Friday is displayed and the **WAKE/OCC1** icon is shown. You are now programming the **WAKE/OCC1** time period for the weekday setting.
4. Time is flashing. Use the + or − key to make your time selection for the weekday **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 STEP.**
6. The setpoint temperature is flashing. Use the + or − key to make your setpoint selection for the weekday **WAKE/OCC1** period.
7. Press **NEXT STEP.**
8. Repeat steps 4 through 7 for the weekday **LEAVE/UNOCC1** time period, the weekday **RETURN/OCC2** time period, and the weekday **SLEEP/UNOCC2** time period.

**Continued on next page...**

**Saturday:**

Repeat steps 4 through 7 for the Saturday **WAKE/OCC1** time period, for the Saturday **LEAVE/UNOCC1** time period, for the Saturday **RETURN/OCC2** time period, and for the Saturday **SLEEP/UNOCC2** time period.

**Sunday:**

Repeat steps 4 through 7 for the Sunday **WAKE/OCC1** time period, for the Sunday **LEAVE/UNOCC1** time period, for the Sunday **RETURN/OCC2** time period, and for the Sunday **SLEEP/UNOCC2** time period.

**To customize your 7 day Program Schedule, repeat steps 4 through 8 for the Tuesday, Wednesday, Thursday, Friday, Saturday and Sunday time periods.**

**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)

**To customize your 5+1+1 Program schedule, follow these steps:**

**Weekday:**

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-Friday is displayed and the **OCCUPIED** text is shown. You are now programming the **OCCUPIED** time period for the weekday setting.
4. Time is flashing. Use the [+] or [-] key to make your time selection for the weekday **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 the weekday **OCCUPIED** period.
7. Press **NEXT.**
8. Repeat steps 4 through 7 for the weekday **UNOCCUPIED** time period.

**Continued on next page...**

**Saturday:**

Repeat steps 4 through 7 for the Saturday **OCCUPIED** time period and for the Saturday **UNOCCUPIED** time period.

**Sunday:**

Repeat steps 4 through 7 for the Sunday **OCCUPIED** time period and for the Sunday **UNOCCUPIED** time period.

**To customize your 7 day Program schedule, repeat steps 4 through 8 for the Tuesday, Wednesday, Thursday, Friday, Saturday and Sunday.**

**A Note About Programmable Fan:**
The programmable fan feature will run the fan continuously during 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.

**Keypad Lockout Note:**

If 🔒 appears in the display, then the keypad is locked. All or some of the keys will not work. Hold the [+] and [−] keys for 3 seconds to remove the lock. Use the same procedure to lock the display





## 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 4 hours. After this, the program setpoint will then replace your temporary setpoint.

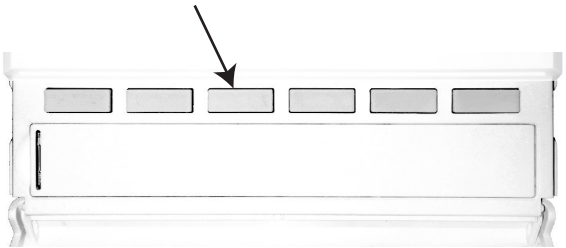
**Permanent Hold:** With a temporary hold set, if you press the **HOLD** key at the bottom of your screen, you will see **HOLD** appear below the setpoint temperature in the display. The thermostat will now permanently stay at this setpoint and can be adjusted using the [+] or [−] keys.

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

## Filter Change & Other Reminders

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

**Resetting The Filter Change Reminder:** When **FILT** reminder is displayed, you should change your air filter and reset the reminder by holding down the set time/run sched 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.





## 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**
1111 S. Glenstone
Suite 2-100
Springfield, MO 65804

**Cut Out For**
**Warranty Registration**

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