

T375EM

Operation Manual

T375EM

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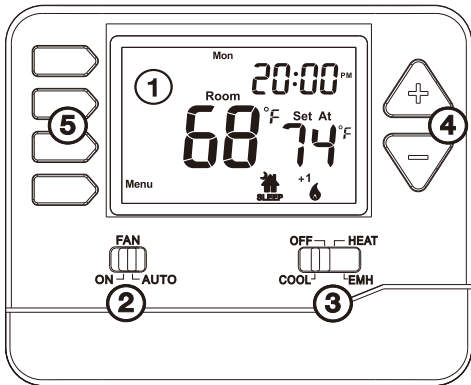
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Caution

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

Thermostat Operation



1 LCD Display

2 Fan Switch

3 System Switch

4 Temperature Setpoint Buttons

5 User Buttons

- 1 LCD Display**
See page 4 for details about this display read out.
- 2 Fan Switch**
Select **ON** or **AUTO**. **ON** will run the fan continuously. **AUTO** will cycle the fan on only when the heating or cooling system is on.
- 3 System Switch**
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 **EMH** (for heat
- pumps with auxiliary heat) will lockout the compressor and control emergency/ auxiliary heat.
- 4 Temperature Setpoint Buttons**
Press the + or - buttons to select the desired room temperature.
- 5 User Buttons**
Use these buttons to set up your programming options. Refer to the next page for detail.



Caution:

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

Thermostat Quick Reference

Days of the week and time.

Displays the user selected setpoint temperature.

Hold: Is displayed when thermostat program is permanently overridden.

Low Battery Indicator: Replace batteries when indicator is shown.

System Operation Indicators: The or icon will display when the COOL, HEAT, or (fan) is on.

NOTE: The compressor delay feature is active if these icons are flashing. The compressor will not turn on until the 5 minute delay has elapsed.

Button Options

Programmable Time Periods: This thermostat has 4 programmable time periods per day.

Indicates the current room temperature.

Tech Set Next Step

Sun Mon Tue Wed Thu Fri Sat

Min Com On Com Delay Heat Cool Swing

Room

Hold Filter Set At

Set Time Run Sched

Set Sched Hold Prev Step

Menu Done

WAKE LEAVE RETURN SLEEP

+1 +2

AM PM

°E

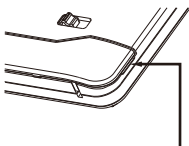
°E



Important:

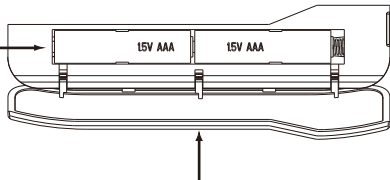
The low battery indicator is displayed when the 2x AAA battery power is low.

Battery Door Information



Use the finger bevel on the lower portion of the thermostat to open the easy access battery door.



Replace with 2x AAA Alkaline Batteries. High quality Alkaline batteries are recommended.





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

Thermostat Quick Reference

Temporary and Permanent Hold Feature (if using programming)

Temporary Hold: The thermostat will display **HOLD** and **RUN SCHED** on the left of your screen when you press the  or  key. If you do nothing, the temperature will remain at this setpoint temporarily until next time period. Your program setpoint will then replace your temporary setpoint.

Permanent Hold: If you press the **HOLD** key at the left 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.

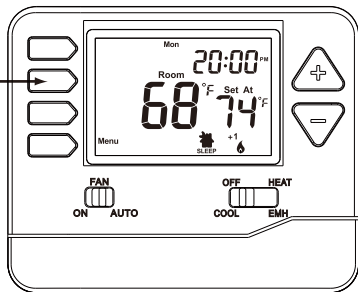
To return to program: Press the **RUN SCHED** key at the left of your screen to exit either temporary or permanent hold.

Filter Change Reminder

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







Resetting the filter change reminder: When **FILTER** reminder is displayed, you should change your air filter and reset the reminder by holding down the second button from the top left side of the thermostat for 3 seconds.

Hold down 3 seconds,
to reset filter reminder.







Programming The Thermostat

Set 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.

Set Program Schedule 5+1+1

To customize your program schedule, follow these steps:

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 or (**Monday if in 7 Day**) is displayed and the **WAKE** icon is shown. You are now programming the wake time period for that day.
4. Time is flashing. Use the  or  key to make your time selection for that day's **WAKE** time period.
5. Press **NEXT STEP**
6. The setpoint temperature is flashing. Use the  or  key to make your setpoint selection for that day's **WAKE** time period.
7. Press **NEXT STEP**
8. Repeat steps 4 thru 7 for that day's **LEAVE** time period, **RETURN** time period, and **SLEEP** time period.

Continued on next page...

Programming The Thermostat

Set Program Schedule 5+1+1

Saturday:

Repeat steps 4 through 7 for the Saturday **WAKE** time period, **LEAVE** time period, **RETURN** time period, and for the Saturday **SLEEP** time period.

Sunday:

Repeat steps 4 through 7 for the Sunday **WAKE** time period, **LEAVE** time period, **RETURN** time period, and for the Sunday **SLEEP** time period.

Day of week	Event	Time	Setpoint Temperature (heat)	Setpoint Temperature (Cool)
Weekday	wake	6 AM	70°F (21°C)	75°F (24°C)
	leave	8 AM	62°F (17°C)	83°F (29°C)
	return	6 PM	70°F (21°C)	75°F (24°C)
	sleep	10 PM	62°F (17°C)	78°F (26°C)
Saturday	wake	8 AM	70°F (21°C)	75°F (24°C)
	leave	10 AM	62°F (17°C)	83°F (29°C)
	return	6 PM	70°F (21°C)	75°F (24°C)
	sleep	11 PM	62°F (17°C)	78°F (26°C)
Sunday	wake	8 AM	70°F (21°C)	75°F (24°C)
	leave	10 AM	62°F (17°C)	83°F (29°C)
	return	6 PM	70°F (21°C)	75°F (24°C)
	sleep	11 PM	62°F (17°C)	78°F (26°C)

1. Press MENU button.
 2. Press and hold TECH SET button for 3 seconds.
 3. Configure the installer options as desired using the table below. Use the + OR - keys to change settings and the NEXT STEP or PREV STEP key to move from one option to another.
- Note: Only press DONE key when you want to exit the Technician Setup Options.

Adjustment Options	You can adjust the filter change reminder from "off" to 2000 hours of runtime in 50 hour increments.	You can adjust the room temperature display to read -4°F to 4°F above or below the factory calibrated reading.	You can select the minimum compressor run time from "off", "3", "4", or "5" minutes, if 3, 4, or 5 is selected, the compressor will run for at least the selected time before turning off.	Selecting "ON" will not allow the compressor to be turned on for 5 minutes after the last time the compressor was on. Select "OFF" to remove this delay.	The cooling swing setting is adjustable from $\pm 0.2^{\circ}\text{F}$ to $\pm 2^{\circ}\text{F}$. For example: A swing setting of 0.5°F will turn the cooling on at approximately 0.5°F above the setpoint and turn the cooling off at approximately 0.5°F below the setpoint.	The heating swing setting is adjustable from $\pm 0.2^{\circ}\text{F}$ to $\pm 2^{\circ}\text{F}$. For example: A swing setting of 0.5°F will turn the heating on at approximately 0.5°F below the setpoint and turn the heating off at approximately 0.5°F above the setpoint.
Factory default settings	OFF	0°F	OFF	On	0.5°F	0.4°F

Technician Setup Menu

Feature	Filter Change Reminder	Room Temperature Calibration	Minimum Compressor On Time	Compressor Short Cycle Delay	Cooling Swing	Heating Swing
Feature Description	This feature will flash "FILT" in the display after the elapsed run time to remind the user to change the filter. A setting of "off" will disable this feature.	This feature allows the installer to change the calibration of the room temperature display. For example, if the thermostat reads 70°F and you would like it to read 72°F then select +2.	This feature allows the installer to select the minimum run time for the compressor. For example: A setting of 4 will force the compressor to run for at least 4 minutes every time the compressor turns on, regardless of the room temperature.	The compressor short cycle delay protects the compressor from "short cycling". This feature will not allow the compressor to be turned on for 5 minutes after it was last turned off.	The swing setting often called "cycle rate", "differential" or "anticipation" is adjustable. A smaller swing setting will cause more frequent cycles and a larger swing setting will cause fewer cycles.	The swing setting, often called "cycle rate", "differential" or "anticipation" is adjustable. A smaller swing setting will cause more frequent cycles and a larger swing setting will cause fewer cycles.
LCD will show	DF F <small>Next Step</small> F : SE <small>Prev Step</small> <small>Done</small>	CAL <small>Next Step</small> 0° <small>Prev Step</small> <small>Done</small>	DF <small>Next Step</small> RN ON <small>Prev Step</small> <small>Done</small>	ON <small>Next Step</small> CO OF <small>Prev Step</small> <small>Done</small>	df CO <small>Next Step</small> 05 <small>Prev Step</small> <small>Done</small>	df HE <small>Next Step</small> 04 <small>Prev Step</small> <small>Done</small>

FILTER Setting: Display SE FI, flashing 1000 (the default value 1000 hours), select from 50~2000 hours.

Temperature Calibration: Display CAL and flashing 0°F (the default value 0), select from -3~3°F.

Compressor Shortest Running Time Setting: Display AN ON and flashing OFF (default setting), select from OFF, 3, 4 or 5 minutes.

Compressor Delay Time Setting: Display CO OF and flashing ON (default setting), select from ON or OFF.

Cooling Swing Setting: Display df CO and flashing 0.6, choose from 0.2~2.0 (factory default setting: 0.6°F).

Heating Swing Setting: Display df HE and flashing 0.5, choose from 0.2~2.0 (factory default setting: 0.5°F).

°F/°C Selection: Setting F(Fahrenheit) or C(Celsius).

24H/12H Selection: Setting the 24 hours or 12 hours time format.

ELEC/GAS Selection: Select the ELEC or GAS.

Terminal Designations

W2	-----	Auxiliary heat relay
Y	-----	Cool relay
G	-----	Fan relay
O	-----	Heat pump changeover valve energized in cooling
R	-----	Transformer power
C	-----	Common wire from system transformer
B	-----	Heat pump changeover valve energized in heating
W/E	-----	Emergency heat relay

Note:

In many systems with no emergency heat relay a jumper can be installed between E and W2.

Operation Manual