

**JACKSON
SYSTEMS**
Controls Done Right™

COMFORT SYSTEM™ T-32-TS Touchscreen Thermostat



User Manual

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INTRODUCTION

Your new Comfort System™ T-32-TS touch screen thermostat has been manufactured using the highest quality components and design currently available. As a result, when properly installed and configured by a professional heating and air conditioning contractor, the T-32-TS will provide years of trouble-free operation.

The T-32-TS has been designed to be an attractive, highly reliable and easy-to-use thermostat. By taking time to read and understand this User Manual, you can take advantage of the many features offered in this premium product.

Although great care has been taken in the preparation of this manual, Jackson Systems takes no responsibility for errors or omissions contained herein. It is the responsibility of the installer to ensure that this thermostat and the equipment connected to it operate in a safe and efficient manner.

Due to ongoing product improvements, Jackson Systems reserves the right to change the specifications of the T-32-TS thermostat or its components without notice.

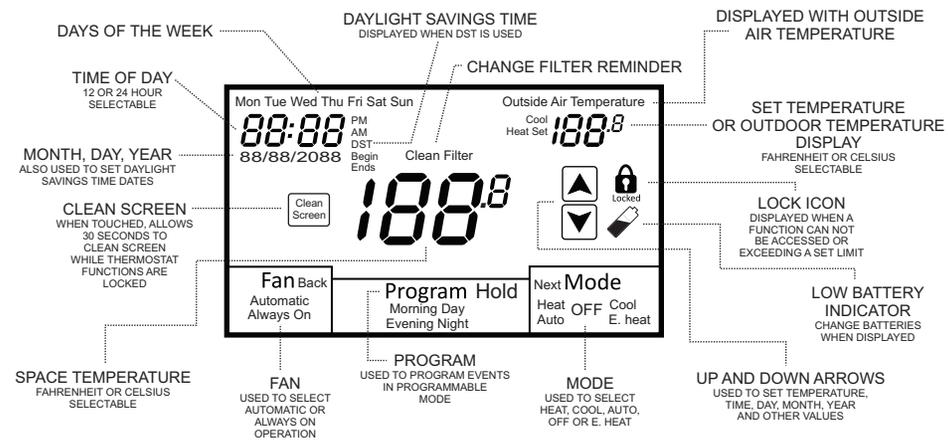
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USING THE TOUCHSCREEN DISPLAY

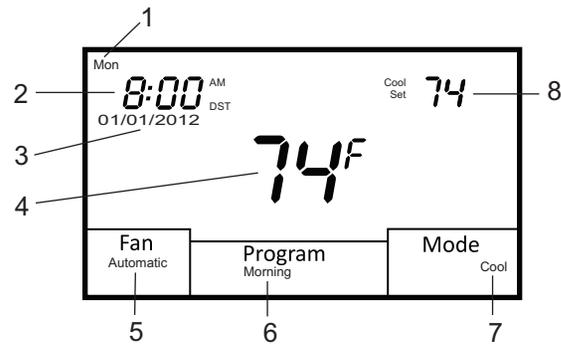
To simplify use, the T-32-TS only displays information relevant to the current mode of operation. When adjustments are required, the thermostat will display additional information or functional icons. Based on the thermostat configuration, some information and icons may not be displayed. The illustration below shows all the LCD segments and icons along with abbreviated definitions.



TYPICAL DISPLAY

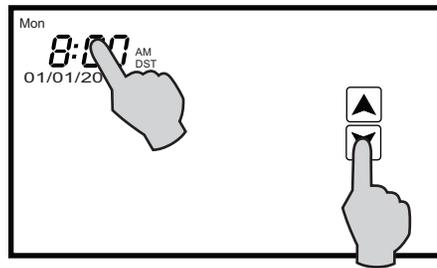
During normal operation, the T-32-TS typically displays the following:

1. Day of the week
2. Time of day
3. Calendar (M/D/Y)
4. Space temperature
5. Fan selection
6. Program period (programmable only)
7. Mode of operation
8. Set temperature



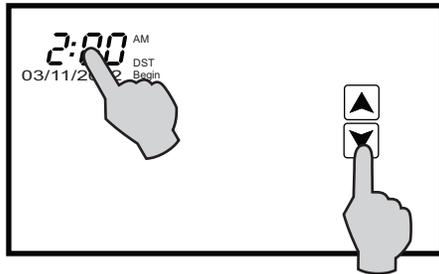
SETTING THE DAY, TIME AND CALENDAR

Tap the clock with your finger. The day of the week will flash. Tap the UP or DOWN arrow to change the day then tap the clock again. The hour will flash. Tap the UP or DOWN arrow to change the hour making sure that AM or PM are correct. Tap the clock again and the minutes will flash. Tap the UP or DOWN arrow and change the minutes and then tap the clock. The calendar month will flash. Tap the UP or DOWN arrow to change the month then tap the clock. The day of the month will flash. Tap the UP or DOWN arrow to change the day of the month and then tap the clock. The year will flash. Tap the UP or DOWN arrow to change the year and then tap the clock. The thermostat will then return to its operating mode in 10 seconds.



SETTING DAYLIGHT SAVINGS TIME

Your thermostat has been configured for Daylight Savings Time. If this feature does not apply in your location, ask your contractor to disable it. You will need to set the Daylight Savings Time schedule each calendar year. (Refer to the DST Chart) Touch and hold down on the clock. The time **2:00 AM** will appear along with **Begin** and the month will flash. Tap the UP or DOWN arrow to set the proper month based on the DST Chart then tap the clock. The day of the month will flash. Tap the UP or DOWN arrow to set the proper day of the month and then tap the clock. The year will flash. Tap the UP or DOWN arrow to set the year and then tap the clock. **Ends** will appear and the month will flash. Follow the same steps above by entering the month, day and year that DST ends then tap the clock. The thermostat will return to its operating mode in 10 seconds.



DAYLIGHT SAVINGS CHART		
2012	BEGIN 03/11	ENDS 11/04
2013	BEGIN 03/10	ENDS 11/03
2014	BEGIN 03/09	ENDS 11/02
2015	BEGIN 03/08	ENDS 11/01

BASIC FUNCTIONS

MODE CONFIGURATIONS

Your contractor can configure the thermostat with different mode selections based on user preference and/or equipment type. Mode configuration can be as follows:

Conventional Heating and Cooling Equipment

Manual Changeover (Heat / Cool / Off)

Auto Changeover (Heat / Cool / Auto / Off)

Heat Only (Heat / Off)

Cool Only (Cool / Off)

Auto (Auto / Off)

Heat Pump

Manual Changeover (Heat / Cool / *E. Heat / Off)

Auto Changeover (Heat / Cool / Auto / *E. Heat / Off)

Heat Only (Heat / *E. Heat / Off)

Cool Only (Cool / Off)

Auto (Auto / *E. Heat / Off)

* Only displayed if thermostat has been configured for auxiliary heat.

BASIC FUNCTIONS

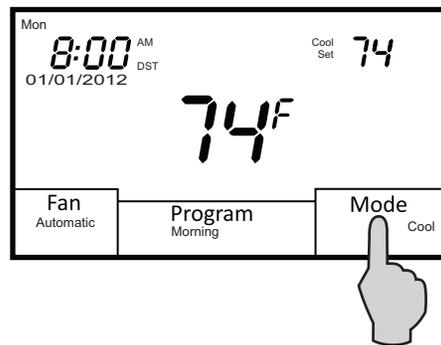
MODE SELECTION

To select a mode of operation, simply tap the **Mode** box on the screen. Based on equipment and thermostat configuration, mode selection can be as follows:

Off - Thermostat will not call for heating or cooling.

Heat - Thermostat only controls heating. When the heating system is running, the **Heat** symbol will flash.

Cool - Thermostat only controls cooling. When the cooling system is running, the **Cool** symbol will flash.



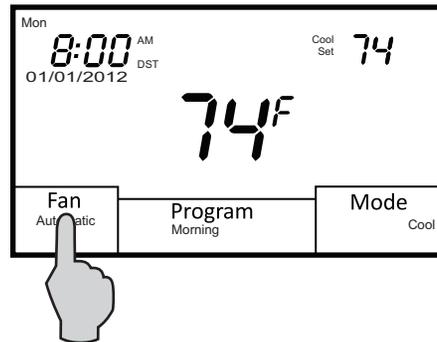
Auto - Thermostat controls both heating and cooling. **Heat** or **Cool** will flash when the equipment is running.

E. Heat - Emergency heat for heat pump and fossil fuel systems in the event the heat pump fails. Only displayed when thermostat is configured for heat pump equipment.

BASIC FUNCTIONS

FAN SELECTION

Tap the **Fan** box on the screen to select **Automatic** or **Always On** fan mode. In Automatic mode, the fan operates with a heating or cooling call. If set to Always On, the fan will run continuously. If the thermostat is turned Off while the fan is set to Always On, the fan will switch to Automatic mode but can be set back to Always On for constant ventilation when the thermostat is Off.



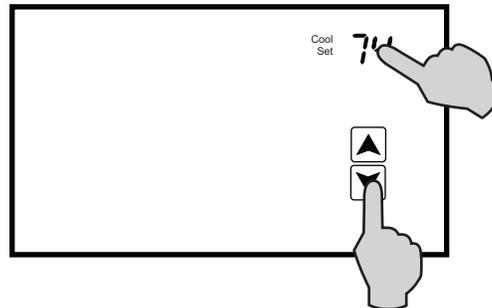
BASIC FUNCTIONS

CHANGING THE HEATING OR COOLING TEMPERATURE SETTING

Manual Heat / Cool Mode

In manual changeover mode, only the heating or cooling temperature setting will be displayed. To change the setting, simply tap the temperature displayed on the screen. Depending on the mode, either Heat Set or Cool Set will flash.

Tap the UP or DOWN arrow to change the setting. The thermostat will return to its operating mode in 10 seconds and the new temperature will be displayed.



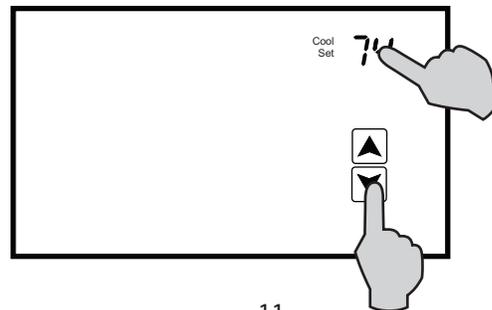
BASIC FUNCTIONS

CHANGING THE HEATING OR COOLING TEMPERATURE SETTING

Auto Mode

In Auto changeover mode, the heating or cooling temperature settings alternate on the screen. To change the settings, simply tap the temperature displayed on the screen. **Heat Set** will flash for five times and then **Cool Set** will flash five times

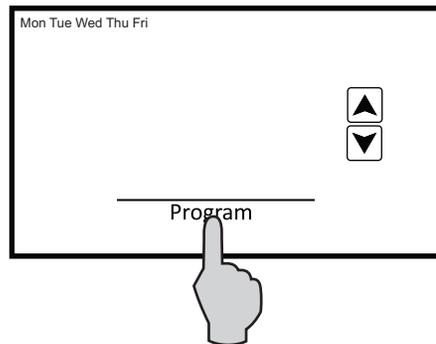
To change the heating setting, tap the UP or DOWN arrow to change the setting when **Heat Set** is flashing. To change the cooling setting, tap the UP or DOWN arrow to change the setting when **Cool Set** is flashing. The thermostat will return to its operating mode in 10 seconds and the new temperature(s) will be displayed.



PROGRAMMING

5-2 SCHEDULE (4 DAILY EVENTS - Morning, Day, Evening, Night)

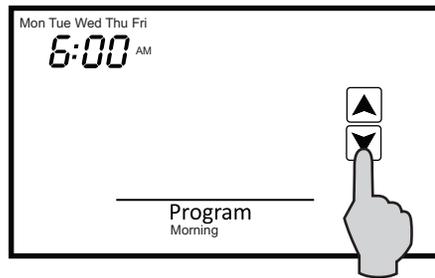
If your thermostat has been configured as 5-2, you can schedule 4 daily events (Morning, Day, Evening, Night) for Monday through Friday and 4 different daily events for Saturday and Sunday. Press and hold the **Program** box. Monday through Friday along with the UP and DOWN arrows will appear on the screen.



PROGRAMMING

5-2 SCHEDULE (4 DAILY EVENTS - Morning, Day, Evening, Night)

Tap **Program** again and the Morning start time will appear. The hour and AM or PM will flash. Tap the UP or DOWN arrow to change the start time hour. The factory default is 6:00 AM.

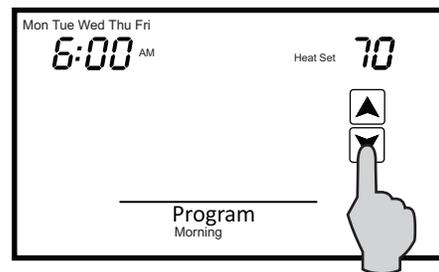


Tap Program again and the minutes will flash. Tap the UP or DOWN arrow to change the minutes which are displayed in 10 minute increments.

PROGRAMMING

5-2 SCHEDULE (4 DAILY EVENTS - Morning, Day, Evening, Night)

Tap **Program** again and the Morning **Heat Set** temperature will be displayed and flash. Tap the UP or DOWN arrow to change the heating temperature. The factory default is 70° F for Morning.



Tap **Program** again and Morning **Cool Set** temperature will be displayed and flash. Tap the UP or DOWN arrow to change the cooling temperature. The factory default is 75° F.

PROGRAMMING

5-2 SCHEDULE (4 DAILY EVENTS - Morning, Day, Evening, Night)

Tap **Program** again and the Day start time will appear. The hour will flash along with AM or PM. Follow the same steps in the Morning sequence. The factory defaults for the Day event are **8:00 AM, Heat Set 62° F, Cool Set 78° F**.

After setting the Day Cool Set temperature, Tap **Program** again and the Evening start time will appear. Follow the same steps. The factory defaults for the Evening event are **6:00 PM, Heat Set 70° F, Cool Set 75° F**.

After setting the Evening Cool Set temperature, Tap **Program** again and the Night start time will appear. Follow the same steps. The factory defaults for the Night event are **10:00 PM, Heat Set 62° F, Cool Set 78° F**.

You have now set 4 events for Monday through Friday.

Tap **Program** again and Sat, Sun will appear along with the Morning start time. Follow the same steps as used to schedule the Monday through Friday events. After the Evening **Cool Set** temperature is confirmed, do not touch the screen. The thermostat will return to its operating mode in 10 seconds and all changes will be saved.

PROGRAMMING

5-2 SCHEDULE (2 DAILY EVENTS - DAY, NIGHT)

If your thermostat has been configured for only 2 daily events for Monday through Friday and 2 daily events for Saturday and Sunday, you only have to program a Day and Night schedule. The factory defaults settings are as follows:

Monday - Friday:	Day - 6:00AM - Heat Set 70°F - Cool Set 75° F
	Night - 6:00PM - Heat Set 62° F - Cool Set 83° F
Saturday - Sunday:	Day - 6:00AM - Heat Set 70° F - Cool Set 75° F
	Night - 6:00PM - Heat Set 62° F - Cool Set 83° F

5-1-1 SCHEDULE (4 DAILY EVENTS - Morning, Day, Evening, Night)

If your thermostat has been configured as 5-1-1, you can schedule 4 daily events (Morning, Day, Evening, Night) for Monday through Friday and 4 different daily events for Saturday as well as 4 different events for Sunday. Follow the same steps as outlined in 5-2 programming. The factory default settings are as follows:

Monday - Friday:	Morning - 6:00 AM - Heat Set 70°F - Cool Set 75° F
	Day - 8:00 AM - Heat Set 62°F - Cool Set 78° F
	Evening - 6:00 PM - Heat Set 70°F - Cool Set 75° F
	Night - 10:00 PM - Heat Set 62°F - Cool Set 78° F

PROGRAMMING

Saturday:
Morning - 6:00 AM - Heat Set 70°F - Cool Set 75° F
Day - 8:00 AM - Heat Set 62°F - Cool Set 78° F
Evening - 6:00 PM - Heat Set 70°F - Cool Set 75° F
Night - 10:00 PM - Heat Set 62°F - Cool Set 78° F

Sunday:
Morning - 6:00 AM - Heat Set 70°F - Cool Set 75° F
Day - 8:00 AM - Heat Set 62°F - Cool Set 78° F
Evening - 6:00 PM - Heat Set 70°F - Cool Set 75° F
Night - 10:00 PM - Heat Set 62°F - Cool Set 78° F

5-1-1 SCHEDULE (2 DAILY EVENTS - DAY, NIGHT)

If your thermostat has been configured for only 2 daily events for Monday through Friday and 2 daily events for Saturday as well as 2 daily events for Sunday, you only have to program a Day and Night schedule. The factory default setting are as follows:

Monday - Friday:
Day - 6:00AM - Heat Set 70°F - Cool Set 75° F
Night - 6:00PM - Heat Set 62° F - Cool Set 83° F
Saturday:
Day - 6:00AM - Heat Set 70° F - Cool Set 75° F
Night - 6:00PM - Heat Set 62° F - Cool Set 83° F
Sunday:
Day - 6:00AM - Heat Set 70° F - Cool Set 75° F

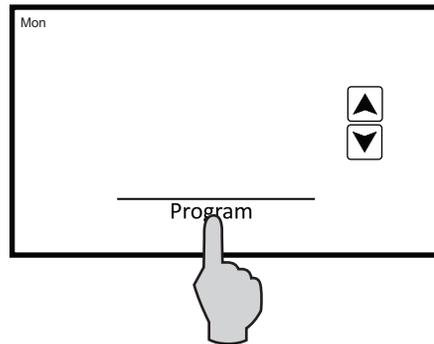
PROGRAMMING

7-DAY SCHEDULE (4 OR 2 DAILY EVENTS)

If your thermostat has been configured for 7-Day scheduling, this means that you can have either 4 daily events (Morning, Day, Evening, Night) or 2 daily events (Day, Night) for each day of the week.

4 Daily Events

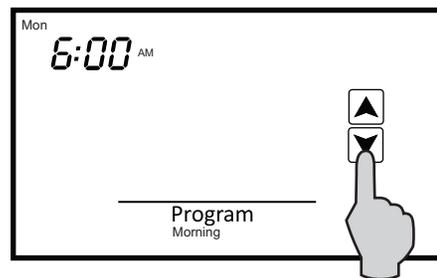
Press and hold the **Program** box. **Mon** (Monday) along with the UP and DOWN arrows will appear on the screen.



PROGRAMMING

7-DAY SCHEDULE (4 OR 2 DAILY EVENTS)

Tap **Program** again and the Morning start time will appear. The hour and AM or PM will flash. Tap the UP or DOWN arrow to change the start time hour. The factory default is 6:00 AM.

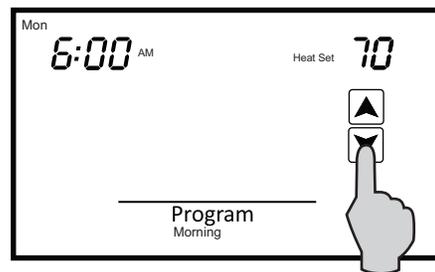


Tap Program again and the minutes will flash. Tap the UP or DOWN arrow to change the minutes which are displayed in 10 minute increments.

PROGRAMMING

7-DAY SCHEDULE (4 OR 2 DAILY EVENTS)

Tap **Program** again and the Morning **Heat Set** temperature will be displayed and flash. Tap the UP or DOWN arrow to change the heating temperature. The factory default is 70° F for Morning.



Tap **Program** again and Morning **Cool Set** temperature will be displayed and flash. Tap the UP or DOWN arrow to change the cooling temperature. The factory default is 75° F.

PROGRAMMING

7-DAY SCHEDULE (4 OR 2 DAILY EVENTS)

Tap **Program** again and the Day start time will appear. The hour will flash along with AM or PM. Follow the same steps in the Morning sequence. The factory defaults for the Day event are **8:00 AM, Heat Set 62° F, Cool Set 78° F**.

After setting the Day Cool Set temperature, Tap **Program** again and the Evening start time will appear. Follow the same steps. The factory defaults for the Evening event are **6:00 PM, Heat Set 70° F, Cool Set 75° F**.

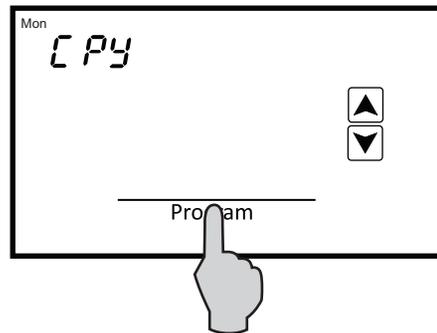
After setting the Evening Cool Set temperature, Tap **Program** again and the Night start time will appear. Follow the same steps. The factory defaults for the Night event are **10:00 PM, Heat Set 62° F, Cool Set 78° F**.

Tap Program again and the word **cpy** (copy) will appear. If you want to copy the Monday schedule to consecutive days of the week, tap the UP arrow to add additional days. Each day that you add will flash. For example, you might want to copy the Monday schedule to Tuesday and Wednesday. Once **Tue** and **Wed** are flashing, tap **Program** and **cpy** will flash confirming that the Monday schedule is being copied to Tuesday and Wednesday. The thermostat will then advance to **Thu** (Thursday).

PROGRAMMING

7-DAY SCHEDULE (4 OR 2 DAILY EVENTS)

If you elect to have a different schedule for each day of the week, simply tap **Program** when **cpy** appears. The thermostat will automatically advance to the next day.



2 DAILY EVENTS

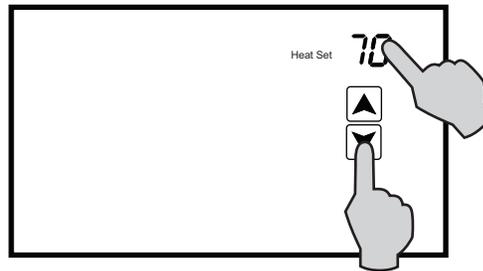
Seven day scheduling for 2 daily events uses the same programming steps as 4 daily events other than you only have to program **Day** and **Night**. Once programming is completed, the thermostat will resume normal operation in 10 seconds.

OVERRIDES

When the T-32-TS is configured for programmable operation, there are two types of temperature overrides available.

TEMPORARY PROGRAM OVERRIDE

Temporary Program Override is designed to allow you to adjust the heating or cooling temperature without changing the programmed temperatures. For example, if you want to change the heating temperature, simply tap the displayed temperature. When **Heat Set** flashes, tap the UP or DOWN arrows to adjust the setting. The thermostat will resume operation in 10 seconds and display the new heating temperature. The program period (Morning, Day, Evening Night) or (Day, Night) will flash continuously to provide confirmation that the temperature has been changed.



OVERRIDES

The new heating temperature will remain active until the next scheduled event at which time it will be deleted and only the programmed temperatures will be used. Your contractor can also configure the thermostat for a fixed override period that is adjustable from 1 - 12 hours. For example, if 3 hours is selected, any change in the program temperatures will be kept for 3 hours regardless whether the thermostat advances to another scheduled event during the override period.

To manually cancel Temporary Override, tap **Program** until **Hold** appears and then tap Program again. The thermostat will resume normal programmed operation.

PERMANENT HOLD

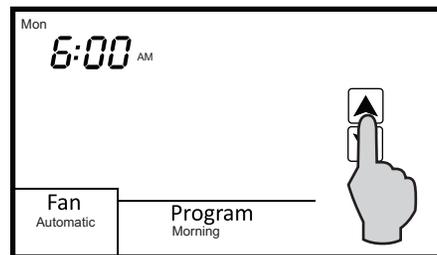
There can be times when a permanent override is required such as during a vacation or holiday period. To place the thermostat in Permanent Hold, simply tap **Program** until the word **Hold** appears. Next, tap the displayed temperature. While **Set Heat** or **Set Cool** are flashing, tap the UP or DOWN arrow to adjust the permanent hold temperature(s) that you want to maintain.

Whenever you want the thermostat to resume normal programmed operation, simply tap **Hold. Program** will again appear and the thermostat will resume programmed operation.

OTHER OPTIONS AND FEATURES

PROGRAMMABLE FAN OPTION

If your contractor has configured the T-32-TS thermostat with the Programmable Fan Option, you will be able to select **Automatic** or **Always On** fan operation for any programmed event. **Automatic** fan mode allows the equipment fan to run whenever there is a call for heating or cooling. **Always On** allows the fan to run continuously regardless of whether a heating or cooling call is taking place. When programming the thermostat, the Programmable Fan Option will appear as part of the programming sequence for each program period. When the word **Automatic** begins to flash, tap the UP arrow to change to **Fan On** or simply tap **Program** to maintain Automatic fan operation for the program period. Just like Temporary Temperature Override, the Programmable Fan mode can be changed simply by tapping **Fan**. The program event will flash confirming the Programmable Fan mode is in override.



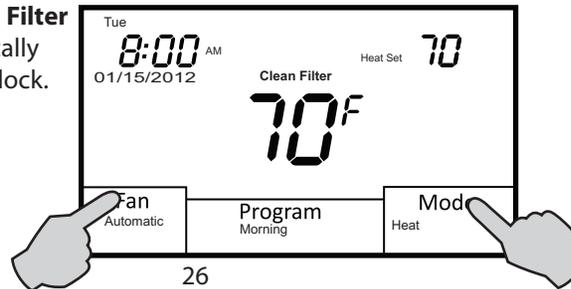
OTHER OPTIONS AND FEATURES

ADAPTIVE RECOVERY OPTION

If your thermostat has been configured for programmable operation, your contractor can add the Adaptive Recovery Option. Adaptive Recovery compares the space temperature deviation from the set temperature for the next event and rate of recovery history to bring the equipment on and reach the temperature setting at the scheduled event start time. Example: If you program a heating temperature to be 70 degrees at 6:00 PM, Adaptive Recovery will calculate when to bring the equipment on so that the temperature will be 70 degrees at 6:00 PM.

FILTER REMINDER OPTION

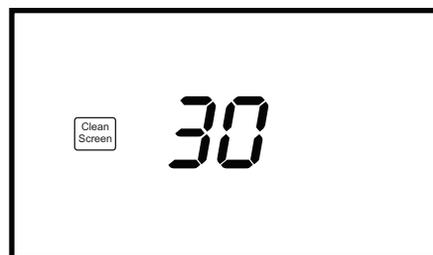
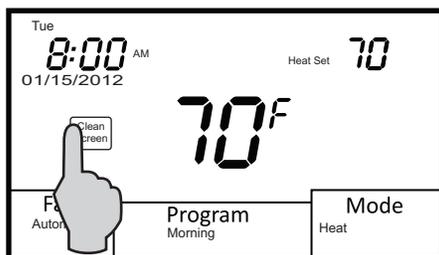
The T-32-TS has a Filter Reminder Option that your contractor can configure to remind you when to change your furnace filter. To reset the Filter Reminder, touch and hold **Mode** and **Fan** until **Clean Filter** disappears. This automatically resets the filter reminder clock.



OTHER OPTIONS AND FEATURES

CLEAN SCREEN

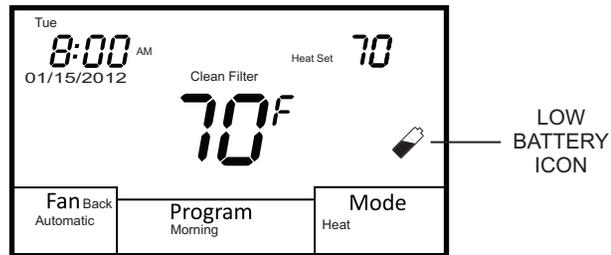
Periodically it might be necessary to clean the touch screen. Use only a slightly moistened clean non-abrasive cloth or glass cleaner. Tap the area on the screen where the **Clean Screen** icon is located. All normal operating functions will be hidden and the thermostat will begin to count down from 30 seconds. This prevents any changes to the thermostat during cleaning. If more time is required, tap the screen icon section again to repeat the process.



OTHER OPTIONS AND FEATURES

LOW BATTERY INDICATION

Your thermostat uses two AAA batteries to keep the time-of-day clock running in case of a power failure. In some applications, battery power is also used to control the heating and air conditioning equipment. When the Low Battery icon appears on the screen, it's time to change the batteries.



CHANGING THE BATTERIES

Press in on the battery access compartment and slide the drawer out. Install two AAA batteries matching the + and - orientation. Push the battery compartment in until it clicks shut. When the batteries are properly installed, the touchscreen display will resume normal operation with no loss of programming or current time.

