



**TRANE®**

# TCONT900AC43UA Communicating, Programmable Comfort Control

OWNER'S GUIDE



Pub No. 22-5211-02



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## IMPORTANT

*The Comfort Control has a touch screen interface. Touch keys appear, as necessary, to complete tasks. Always press the keys with your fingertips. Sharp instruments like a pen or pencil point can damage the Comfort Control.*

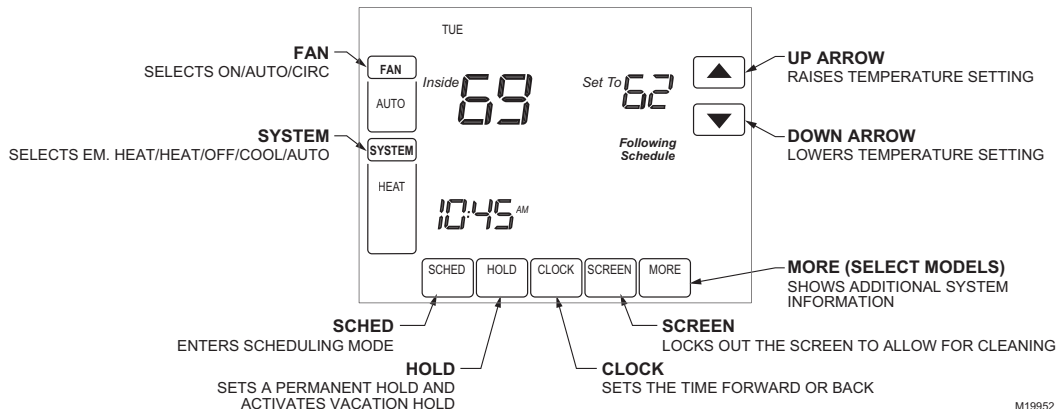
# FEATURES

- **Large, Clear Display with Backlighting** – current temperature, set temperature and time are easy-to-read and all are displayed on the home screen.
- **Menu Driven Programming** – Guides you through the scheduling process, showing only necessary information and choices on each screen.
- **Ability to Select Multiple Days** – allows you to easily customize the Comfort Control for your unique schedule.
- **Real-Time Clock** – keeps time during power failure; automatically updates for daylight savings.
- **Precise Temperature Control (+/- 1°F) (+/- .5°C)** – reliable, consistent comfort.
- **Multiple HOLD options** – allows you to modify schedule indefinitely or for a specific time.
- **Change Reminders** – reminds you to service or replace the air filters and/or humidifier pad.
- **Programmable Fan** – increases air quality when combined with a whole-house air cleaner.
- **Outdoor Temperature Indication** – shows current outdoor temperature on the display to help you plan outdoor activities.

NOTE: The home screen may differ slightly, depending on the heating and/or cooling system you have and the Comfort Control settings for your system type.

# HOME SCREEN

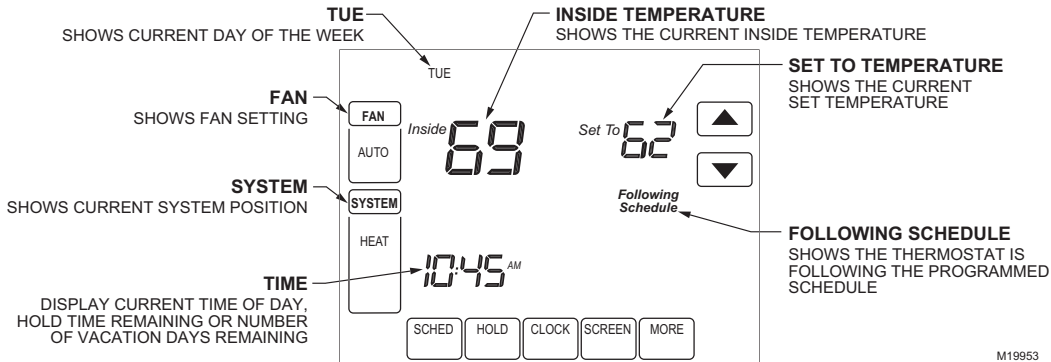
## Key Description



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# HOME SCREEN

## Display Description



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# PROGRAMMING YOUR HEATING AND COOLING SCHEDULE

Your Comfort Control can control up to four different schedule periods per day:

**Wake** – Period when you awaken and want your home at a comfortable temperature.

**Leave** – Period when you are away from home and want an energy-saving temperature.

**Return** – Period when you return home and want your home back to a comfortable temperature.

**Sleep** – Period when you are asleep and want an energy-saving temperature.

NOTE: Schedule times are in 15-minute intervals.

## Preprogrammed Energy Star Settings

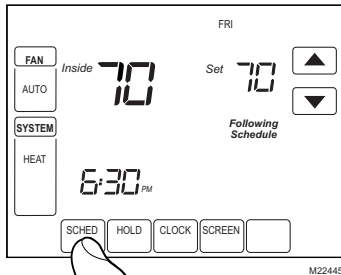
Table 1 shows default program settings. Visit the Energy Star web site at [www.energystar.gov](http://www.energystar.gov) for additional education and resources on programmable Comfort Controls.

**Table 1. Energy Star Default Program Settings.**

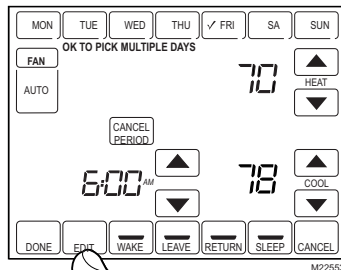
Schedule Period	Time	Setpoints		Fan Setting
		Heat	Cool	
Wake	6:00 AM	70°F (21°C)	78°F (25.5°C)	Auto
Leave	8:00 AM	62°F (16.5°C)	85°F (29.5°C)	Auto
Return	6:00 PM	70°F (21°C)	78°F (25.5°C)	Auto
Sleep	10:00 PM	62°F (16.5°C)	82°F (27.8°C)	Auto

# EDITING SCHEDULE

1. Press Sched key.

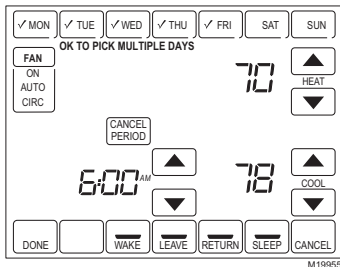


2. Press Edit key.





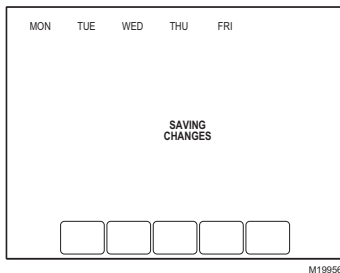
3. It is OK to *pick multiple days*. Select any combination of days to edit. These days are scheduled with the same times and temperatures. Check marks appear next to days selected.



4. Press Wake key. Once pressed, Wake flashes to show it is selected.  
5. Press Up and Down keys to modify time and heat and cool temperatures from this screen.

NOTE: The Fan setting can be programmed for On, Auto, or Circ for each period selected. See “Fan Schedule” on page 19 for more information.

6. Press Leave key and repeat step 5.
7. Press Return key and repeat step 5.
8. Press Sleep key and repeat step 5.
9. When complete, press Done key. "Saving Changes" appears on the screen to indicate changes are being saved to the day(s) modified.



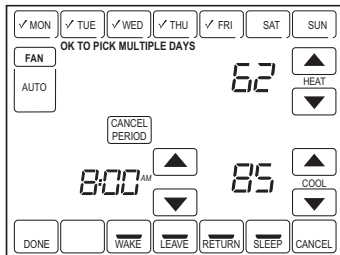
**NOTE:** To set a Program Schedule for the remaining days of the week, repeat steps 1-9.  
Example: If Mon - Fri was selected first, go back and repeat steps 1-9 for Sat and Sun.

10. To exit schedule without saving changes, press Cancel key any time.

# CANCELING A SCHEDULE PERIOD

**NOTE:** You may want to cancel a period to match your lifestyle; for example, if someone is always home during the day on Tuesday, you can cancel the Leave and Return periods (the Comfort Control would then control to the Wake temperature until the Sleep period).

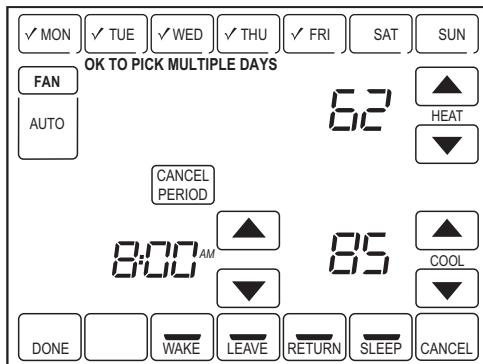
1. Press Sched key.
2. Press Edit key.
3. Select the Day(s) of the week desired.
4. Press schedule period you want to cancel (Wake, Leave, Return or Sleep). Once selected, the period flashes.
5. Press Cancel Period key.



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**NOTE:** Note that the time, temperature(s) and fan setting disappear. The bar above the selected period is removed, indicating the scheduled period was cancelled. To reinstate a schedule period, press arrow keys to set desired time and temperatures.

**6.** Press Done key.

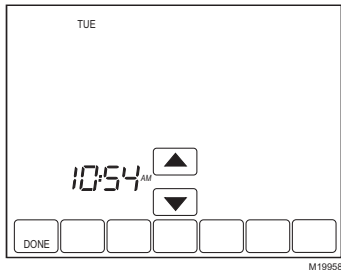


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**NOTE:** When changing from non-programmable to programmable mode, the screen displays “Permanent Hold” under the time icon. This goes away when the schedule key is hit or the schedule menu is entered.

# SETTING TIME

1. Press Clock.
2. Use arrows to set current time.



3. Press Done key.

## **IMPORTANT**

*The current day of the week should already be set correctly. If not, see “Advanced Settings” on page 34 to set the day.*

# OPERATING YOUR COMFORT CONTROL

## Setting Fan and System Keys

### SETTING FAN KEY

The Fan key selections vary based on your heating and/or cooling system type.

**On** – Fan runs continuously. Use this setting for improved air circulation or for more efficient central air cleaning. *The Trane Proprietary Humidity Control might disable continuous fan function. See “Trane Proprietary Humidity Control” on page 28 for additional information.*

**Auto** – Fan follows fan program schedule. See “Fan Schedule” on page 19 for more information.

**Circ** – Circulation control will provide a variable circulation determined by the Adaptive Intelligent Circulation (AIC) algorithm running the fan between 20% and 60% of the time.

### SETTING SYSTEM KEY

The System key selections vary based on your heating and/or cooling system type.

**Heat** – Controls your heating system.

**Off** – Both heating and cooling systems are off.

**Cool** – Controls your cooling system.

**Auto (when enabled)** – Controls both your heating and cooling system based on temperature.

**Em. Heat** – Compressor is locked out and auxiliary heat cycles to maintain temperature. (Used only for heat pump systems with backup heat)

## Setting Temperature Overrides

Your Comfort Control has three temperature override options: Hold Temperature Until, Permanent Hold and Vacation Hold.

### **HOLD TEMPERATURE UNTIL (TEMPORARY HOLD)**

Holds temperature temporarily until the next scheduled period time or until the time the user sets.

1. Press Up or Down arrow next to the temperature you want to adjust. "Hold Temperature Until" time appears on the screen. The Hold Temperature Until time defaults to the start time of the next scheduled period.

**NOTE:** The Time Up and Down arrows are shown for approximately seven seconds. Pressing on the screen time (where the Hold Temperature Until time is shown) allows the arrows to reappear.

2. Press Up or Down arrow next to the Time key to set desired time for the Comfort Control to resume schedule.

3. Press the Cancel or Sched key to cancel “Hold Temperature Until” and resume schedule.

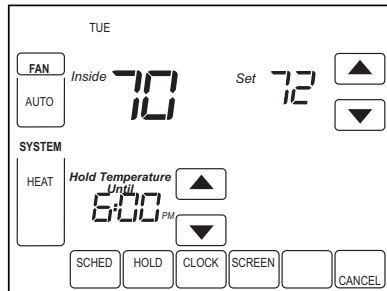
NOTE: Once “Hold Temperature Until” time is reached, the comfort control shows “Following Schedule” on the screen to indicate that “Temporary Hold” has ended.

## PERMANENT HOLD

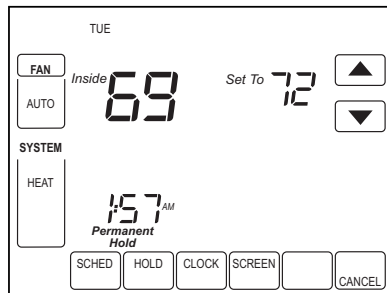
Permanent Hold changes the temperature setting until Permanent Hold is cancelled.

1. Press Hold key. “Permanent Hold” appears on the screen.
2. Press Up or Down arrow next to the temperature you want to set during “Hold”.
3. Press Cancel key to cancel “Permanent Hold” and resume the schedule.

NOTE: In ISU 0160, when changing from nonprogrammable to programmable mode, the screen displays “Permanent Hold” under the time icon. This goes away when the schedule key is hit or the schedule menu is entered.



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## VACATION HOLD

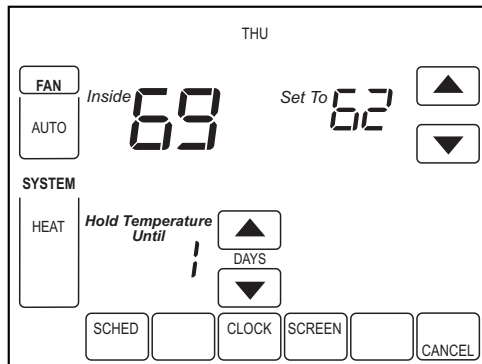
Changes temperature setting for a selected number of days, from 1 to 365 days.

1. Press the Up and Down arrow keys to set the desired temperature while away on vacation. Notice that “Hold Temperature Until” time is shown on the screen. (This is the time the Vacation Hold override expires after the number of days ends.)
2. Press Hold key twice. Screen shows “Hold Temperature Until” one day.
3. Press Up and Down arrow keys to change the number of Days you desire Comfort Control to override the schedule.

NOTE: Days Up and Down arrows appear for approximately seven seconds. Pressing just below Hold Temperature Until on the screen allows the Days Up and Down arrows to reappear.

NOTE: When the number of days of Vacation Hold expires, the screen shows “Following Schedule” to indicate that Vacation Hold has ended.

4. To cancel the Vacation Hold override early, press the Cancel key.



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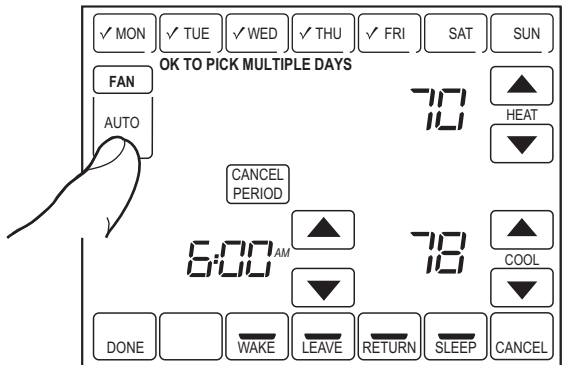
## Fan Schedule

Press Fan key while in the Scheduling Screen to program the System Fan. Choices available from the Scheduling Screen:

**On** – Fan runs continuously. Use this setting for improved air circulation or for more efficient central air cleaning.

**Auto** – (default position) Fan runs with equipment. Programmable for all schedule periods (Wake, Leave, Return and Sleep).

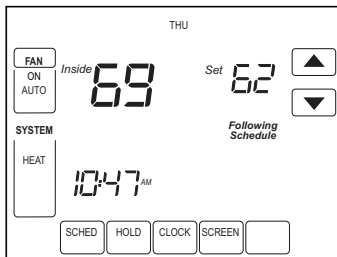
**Circ** – Circulation control will provide a variable circulation determined by the Adaptive Intelligent Circulation (AIC) algorithm running the fan between 20% and 60% of the time.



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## Fan Status Displayed on Home Screen

If the Fan program is scheduled, Auto is shown and any programmable mode that is set; for example, if during Wake period, Fan is set to Auto, only Auto is shown in the Fan area. However, if during the Wake period, fan is scheduled to On, both Auto and On are shown. Auto indicates fan is running its schedule; On indicates Fan schedule is set to On.



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## Manual Override of Fan Schedule

**On** – Fan runs continuously. Use this setting for improved air circulation or for more efficient central air cleaning. *The Trane Proprietary Humidity Control might disable continuous fan function. See “Trane Proprietary Humidity Control” on page 28 for additional information.*

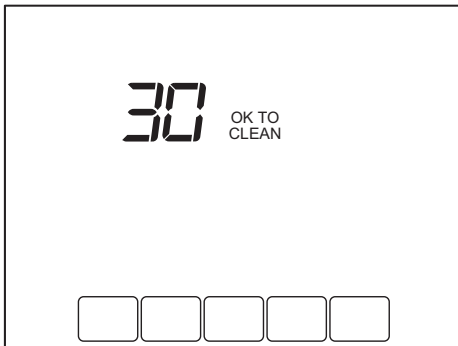
**Auto** – (default position) Fan follows fan program schedule. See “Fan Schedule” on page 19 for more information.

**Circ** – Circulation control will provide a variable circulation determined by the Adaptive Intelligent Circulation (AIC) algorithm running the fan between 20% and 60% of the time.

# CLEANING YOUR COMFORT CONTROL SCREEN

The Comfort Control has a touch screen interaction. Follow these steps to clean the screen without making comfort control changes:

1. Press Screen key. Comfort Control locks out touch keys for 30 seconds to allow for cleaning.
2. Use damp cloth slightly moistened with water and mild dishwasher detergent to clean the screen.
3. Repeat the above steps, as necessary.



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## **IMPORTANT**

*Do NOT spray any type of liquid directly on the Comfort Control itself.*

4. Press the Done key to return to the Home Screen and normal operation.

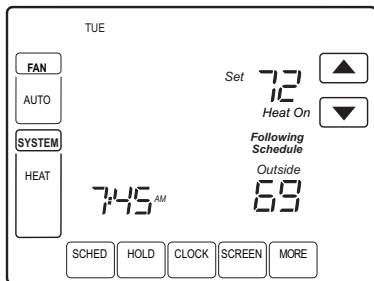
# READING YOUR OUTDOOR TEMPERATURE

If the communicating Comfort Control has discovered an outdoor temperature sensor, the comfort control displays the outdoor temperature.

## VIEW OUTSIDE TEMPERATURE

The outside temperature is located in the lower right corner of the Home Screen.

**NOTE:** If the communicating Comfort Control is in auto mode, the outdoor temperature can be displayed by pressing the More key.



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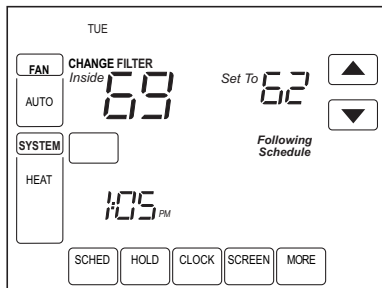
## Reminder Timers

These reminders notify you when to change your furnace filters, humidifier pad, or other accessories. When the time you set expires, the Comfort Control flashes “Change” and then “Filter” or “Change” and “Humidifier Pad” until you reset the timer.

NOTE: See Steps 11 through 13.

## Resetting Expired Timers

When a Timer expires, a Reset key appears on the Home Screen. Press Reset key to reset the Timer. Notice that the “Change” reminder disappears from the Comfort Control screen. If more than one Timer expires at the same time, press the Reset key to reset all expired Timers.



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## View or Reset Timer Settings Before They Expire

1. Press More key until the Timer you want to modify appears on the screen.
2. Press Edit key to change the Timer reload value. Use Up and Down arrow keys to change the number of Run Time Days. See Advanced Settings, steps 11 through 13, for approximate calendar days.
3. Press the Done key to go back to viewing the selected timer.
4. Press Reset key to reset the timer to the timer reload value. (This is the Advanced setting you set or the reload value you selected in step 2.)
5. Press Done or Cancel key to return to the Home Screen.

## Screen Locked

You can fully or partially lock out the keys on the touch screen interface. See “Advanced Settings” on page 34 for information on turning these features on or off. If the Comfort Control shows “Screen Locked,” your Comfort Control screen is either fully or partially locked.

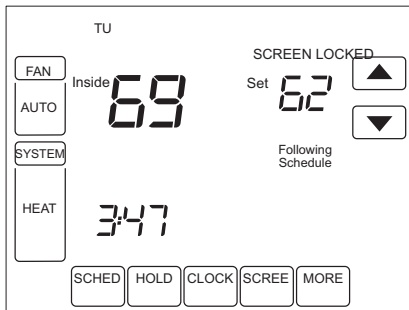


## Partially Locked Screen

When partially locked, the screen indicates Screen Locked for 5 to 7 seconds whenever the user attempts to press a key that is locked. Pressing a locked key while Screen Locked is shown flashes Screen Locked on the screen. Pressing an unlocked key while Screen Locked is active removes the screen lock.

In this mode, all keys are locked except the Temperature Up and Down arrow keys:

- User can change temperature up or down but cannot change schedule settings.
- Temporary temperature change lasts until next scheduled period and that time shows onscreen.
- To cancel temperature override and begin following schedule, press Cancel key.
- To unlock screen, see “Advanced Settings” on page 34.



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## Fully Locked Screen

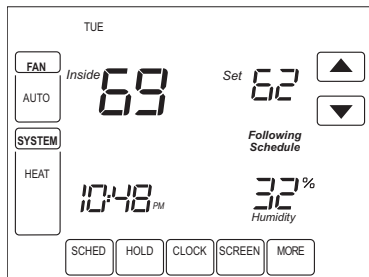
In this mode, all keys are locked and not functional. To unlock screen, see “Advanced Settings” on page 34. The screen continuously displays “Screen Locked”.

## READING YOUR INSIDE HUMIDITY LEVEL

The communicating Comfort Control can sense the humidity level in the home. The humidity level in the home is shown in the lower right corner of the Home Screen.

NOTE: If the communicating Comfort Control is in auto mode, the indoor humidity level can be displayed by pressing the More key.

NOTE: CONTINUOUS fan mode during COOLING operation may not be appropriate in humid climates. The Trane Proprietary Humidity Control might disable continuous fan function. See “Trane Proprietary Humidity Control” on page 28 for additional information. If the indoor air exceeds 60% relative humidity or simply feels uncomfortably humid, it is recommended that the fan only be used in the AUTO mode.

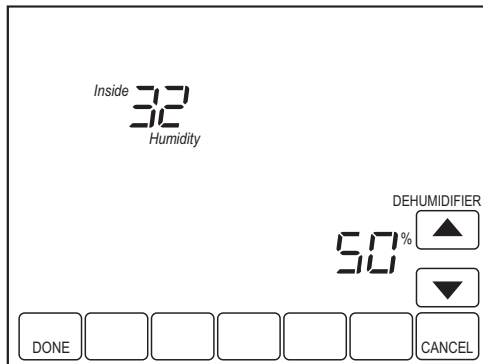


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# CONTROLLING YOUR INSIDE DEHUMIDIFICATION SETTING

If the dehumidification control has been enabled, the communicating Comfort Control will read the inside humidity level and set a desired humidity level to help dehumidify the house.

1. Press the More key until the inside humidity percent and dehumidification setpoint are shown.
2. Use Up and Down arrow keys, located to the right of the dehumidifier setpoint, to set your desired humidity level for dehumidification in the summer.



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**NOTE:** The dehumidification setpoint can range from 40% to 80% in 5% increments. The default dehumidification setpoint is 50%.

3. Press Done key to save your changes and return to the Home Screen.
4. Press Cancel key to return to Home Screen without saving any changes.

## **Dehumidification Control**

If the dehumidification control has been enabled, the communicating Comfort Control attempts to control to this dehumidification setpoint by turning on the air conditioner. In extremely high humidity conditions, Comfort Control keeps the air conditioner running for up to 3°F below your temperature setpoint. It does this when trying to achieve your desired humidity setpoint and balance that with your temperature setpoint.

**NOTE:** If auto changeover is selected, the deadband can be no closer than 5 degrees with dehumidification enabled.

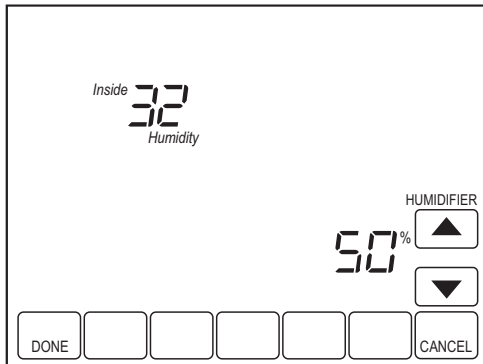
## **Trane Proprietary Humidity Control**

When enabled, this feature will disable any blower off delays and disable continuous fan mode when the indoor humidity is above the dehumidification setpoint. This will help prevent coil condensation from being evaporated back into the air stream.

# CONTROLLING YOUR INSIDE HUMIDIFICATION SETTING

If the humidification control has been enabled, the communicating Comfort Control will read the inside humidity level and set a desired humidity level to help humidify the house.

1. Press the More key until the inside humidity percent and humidification setpoint are shown.
2. Use Up and Down arrow keys, located to the right of the humidification setpoint, to set your desired humidity level for humidification in the winter.



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**NOTE:** The Humidification setpoint can range from 10% to 60% in 5% increments. The default humidification setpoint is 50%.

3. Press Done key to save your changes and return to the Home screen.
4. Press Cancel key to return to Home screen without saving any changes.

## **Humidification Control**

If the humidification control has been enabled, the Comfort Control attempts to control to this humidification setpoint by turning on the humidifier.

## **Frost Control**

If your ComfortLink™ II communicating system is equipped with an outdoor temperature sensor and a humidifier, you can use the frost control feature to control window condensation during the heating season. Frost control works by reducing humidification when conditions indicate that condensation or frost can occur.

The degree of frost control is determined by the setting you choose between 0 and 10. Press More key until you come to the frost setting screen. The display shows FROST and a number from 0 to 10. When the factory setting (5) results in too much condensation or frost on the windows, lower the setting. When the air seems too dry, raise the setting.

## Temperature Recovery

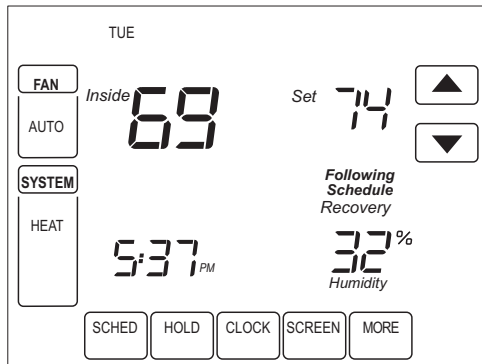
Your Comfort Control comes with a feature called Adaptive Intelligent Recovery (AIR), which eliminates all guesswork when setting your schedule. How long does it take the furnace to warm your house in the morning before you get out of bed or how long does it take the air conditioner to cool your house in the afternoon before you return from work? No problem. The Comfort Control determines that for you.

Simply set your program schedule to the time you want the house to be at your comfort temperature.

The Comfort Control then turns on the heating or cooling at just the right time to have your home reach your scheduled temperature at your scheduled time.

For example: you get out of bed at 6:00 AM and want the temperature to be 70°F (21.1°C). Set the Wake period for 6:00 AM and 70°F (21.1°C). The Comfort Control then turns on the heat before 6:00 AM to raise the temperature to 70°F (21.1°C) by 6:00 AM.

The Comfort Control alerts you that the heating or cooling system is coming on before a scheduled time by showing “Recovery” on the screen.



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## **IMPORTANT**

*It takes about a week for the Comfort Control to adjust to local weather, your schedule, the construction of your home and your heating and/or cooling system. Your Comfort Control learns from experience. Each day it checks how closely it reached the recovery time and adjusts the next day's recovery start time accordingly.*



## Advanced Heat Pump Features

If you have a heat pump heating system, your Comfort Control can use some special features when used with an Outdoor Temperature Sensor, such as compressor and/or backup heat lockout based on outside temperature. For example, if your backup heat does not turn on above a designated outside temperature, your system uses an advanced heat pump feature.

## Setting the Calendar

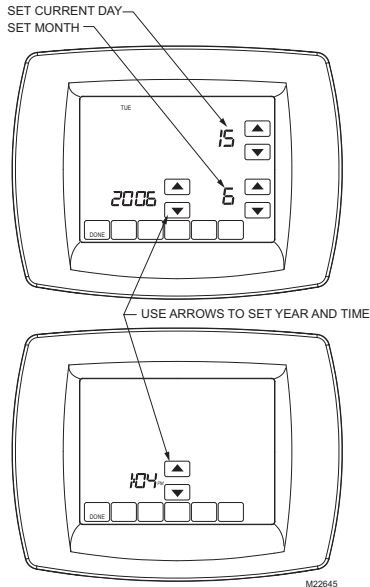
This Comfort Control is designed to automatically keep current time and day in memory for up to ten years, under normal use, once the calendar is set. There are two ways to set the calendar for this Comfort Control:

### SETTING CALENDAR AFTER COMFORT CONTROL IS ALREADY FUNCTIONING

See steps 1 through 4, in “Advanced Settings” on page 34, to set year, month and day.

### SETTING CALENDAR WHEN COMFORT CONTROL IS FIRST POWERED

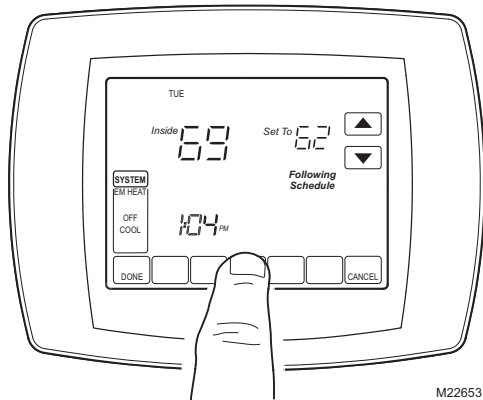
When this Comfort Control is first powered, the display is ready to set the calendar.



# ADVANCED SETTINGS

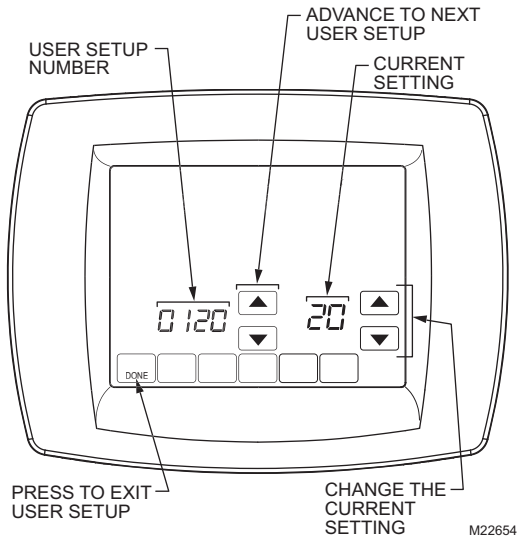
Your Comfort Control has many advanced settings to match your heating and cooling system. But you can change these settings to match your lifestyle:

1. From the Home Screen, press the System key. Five blank touch keys show on the bottom of the screen between the Done and Cancel keys.
2. Press and hold the center blank key for approximately five seconds, until the screen changes.



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3. Release the center key when the display on your Comfort Control matches the display below.



# USER SETUP MENU

## Step 1. User Setup Number 0120: First Two Digits of Current Calendar Year

To change current setting, press the Up or Down arrow key to the right of the two-digit number in the lower right corner of the screen. Options:

20 - Equals years **20**xx.

21 - Equals years **21**xx.

To advance to the next Setup Number, press the Up arrow key to the right of 0120. To go back to the previous Setup Number, press the Down arrow key.

## Step 2. User Setup Number 0130: Last Two Digits of Current Calendar Year

To change Options, press the Up or Down arrow key to the right of the two-digit number in the lower right corner of the screen. Options:

01 through 99 - equals years **2001** through **2099**.

To advance to the next Setup Number, press the Up arrow key to the right of 0130. To go back to the previous Setup Number, press the Down arrow key.

### **Step 3. User Setup Number 0140: Current Calendar Month**

To change Options, press the Up or Down arrow key to the right of number in lower right corner of the screen. Options:

1 through 12 - equals January through December.

To advance to the next Setup Number, press the Up arrow key to the right of 0140. To go back to the previous Setup Number, press the Down arrow key.

### **Step 4. User Setup Number 0150: Current Calendar Date**

To change Options, press the Up or Down arrow key to the right of the number in the lower right corner of the screen. Options:

1 through 31 - equals 1st of a month to 31st of a month.

To advance to the next Setup Number, press the Up arrow key to the right of 0150. To go back to the previous Setup Number, press the Down arrow key.

### **Step 5. User Setup Number 0160: Schedule Options**

To change Options, press the Up or Down arrow key to the right of the number in the lower right corner of the screen. Options:

0 - Non-programmable. Comfort Control is non-programmable.

4 - Programmable. Comfort Control is fully programmable, allowing all 7 days to be programmed.

To advance to the next Setup Number, press the Up arrow key to the right of 0160. To go back to the previous Setup Number, press the Down arrow key.

## **Step 6. User Setup Number 0165: Restore Energy Star Schedule**

To reset the programmed heating and cooling schedule back to the default Energy Star program schedule, press the Up or Down arrow key to the right of the number in the lower right corner of the screen. Options:

0 -No. Use current heating and cooling schedule.

1 -Yes. Use default Energy Star program schedule.

To advance to the next Setup Number, press the Up arrow key to the right of 0165. To go back to the previous Setup Number, press the Down arrow key.

## **Step 7. User Setup Number 0186: Continuous Fan Airflow**

To change Options, press the Up or Down arrow key to the right of the number in the lower right corner of the screen. Options:

25 through 100 - equals 25% airflow to 100% in continuous fan mode.

To advance to the next Setup Number, press the Up arrow key to the right of 0186. To go back to the previous Setup Number, press the Down arrow key.

## **Step 8. User Setup Number 0280: Continuous Backlight**

To change Options, press the Up or Down arrow key to the right of the number in the lower right corner of the screen. Options:|

0 - No. Continuous backlight OFF.|

1 - Yes. Continuous backlight ON. Backlight will dim to half brightness 45 seconds after last key press.

To advance to the next Setup Number, press the Up arrow key to the right of 0280. To go back to the previous Setup Number, press the Down arrow key.

## **Step 9. User Setup Number 0320: Display Temperature Shown in °F or °C**

To change Options, press the Up or Down arrow key to the right of the number in the lower right corner of the screen. Options:|

0 - Fahrenheit.

1 - Celsius.

To advance to the next Setup Number, press the Up arrow key to the right of 0320. To go back to the previous Setup Number, press the Down arrow key.

## Step 10. User Setup Number 0330: Daylight Savings On or Off

To change Options, press the Up or Down arrow key to the right of the number in the lower right corner of the screen. Options:

- 0 - Off: No adjustment for Daylight Savings in Fall and Spring.
- 1 - On: Time is automatically adjusted for Daylight Savings in Fall and Spring. (US 1987)
- 2 - On: Time is automatically adjusted for Daylight Savings in Fall and Spring. (US 2007)
- 3 - On: Time is automatically adjusted for Daylight Savings in Fall and Spring. (Europe)

To advance to the next Setup Number, press the Up arrow key to the right of 0330. To go back to the previous Setup Number, press the Down arrow key.

## Step 11. User Setup Number 0380: Indoor Dehumidification Control.

To change Option, press the Up or Down arrow key to the right of the number in the lower right hand corner of the screen. Options:

- 0 - No dehumidification control
- 1 - Integrated Temperature and humidity control (Factory default)
- 4 - Trane droop (RH setpoint)

The dehumidification control attempts to control the indoor humidity to the user's dehumidification setpoint by running the compressor. In extremely high humidity conditions, the Comfort Control keeps the compressor running for up to 3°F (-1.7°C) below the temperature setpoint. It does this while trying to achieve the desired dehumidification setpoint and balancing that with the temperature setpoint.



Trane Droop is a feature that cycles the compressor on to improve indoor comfort by removing moisture from the air. The Droop cycle is activated when the indoor humidity is above the user's dehumidification setpoint.

## **Step 12. User Setup Number 0383: Dehumidification Maximum Droop.**

To change Option, press the Up or Down arrow key to the right of the number in the lower right hand corner of the screen. Options:

- 1 - 1° F (0.5° C)
- 2 - 2° F (1.0° C)
- 3 - 3° F (1.5° C)

Maximum droop is the amount of temperature overshoot allowed while attempting to control indoor humidity.

## **Step 13. User Setup Number 0500: Furnace Air Filter Timer 1**

To change Options, press the Up or Down arrow key to the right of the number in the lower right corner of the screen. Options:

- 0 - Off. Furnace filter timer is off.
- 1 - 10 fan run time days (about one month).
- 2 - 30 fan run time days (about three months).
- 3 - 60 fan run time days (about six months).
- 4 - 90 fan run time days (about nine months).
- 5 - 120 fan run time days (about one year).

- 6 - 180 fan run time days (about one year and six months).
- 7 - 270 fan run time days (about two years).
- 8 - 365 fan run time days (about three years).
- 9 - 30 fan continuous time days (one month).
- 10 - 60 fan continuous time days (two months).
- 11 - 90 fan continuous time days (three months).
- 12 - 120 fan continuous time days (four months).
- 13 - 180 fan continuous time days (six months).
- 14 - 365 fan continuous time days (one year).

To advance to the next Setup Number, press the Up arrow key to the right of 0500. To go back to the previous Setup Number, press the Down arrow key.

## **Step 14. User Setup Number 0501: Furnace Air Filter Timer 2**

To change Options, press the Up or Down arrow key to the right of the number in the lower right corner of the screen. Options:

- 0 - Off. Furnace filter timer is off.
- 1 - 10 fan run time days (about one month).
- 2 - 30 fan run time days (about three months).
- 3 - 60 fan run time days (about six months).
- 4 - 90 fan run time days (about nine months).
- 5 - 120 fan run time days (about one year).
- 6 - 180 fan run time days (about one year and six months).

- 7 - 270 fan run time days (about two years).
- 8 - 365 fan run time days (about three years).
- 9 - 30 fan continuous days (one month).
- 10 - 60 fan continuous days (two months).
- 11 - 90 fan continuous days (three months).
- 12 - 120 fan continuous days (four months).
- 13 - 180 fan continuous days (six months).
- 14 - 365 fan continuous days (one year).

To advance to the next Setup Number, press the Up arrow key to the right of 0501. To go back to the previous Setup Number, press the Down arrow key.

## **Step 15. User Setup Number 0510: Humidifier Pad Timer**

To change Options, press the Up or Down arrow key to the right of the number in lower right corner of the screen. Options:

- 0 - Off. Humidifier pad timer is off.
- 1 - 90 continuous days; 30 run time days (3 months)
- 2 - 180 continuous days; 60 run time days (6 months)
- 3 - 365 continuous days; 90 run time days (12 months)

To advance to the next Setup Number, press the Up arrow key to the right of 0510. To go back to the previous Setup Number, press the Down arrow key.

## **Step 16. User Setup Number 0530: Adaptive Intelligent Recovery**

To change Options, press the Up or Down arrow key to the right of the number in lower right corner of the screen. Options:

- 0 - Conventional recovery
- 1 - Adaptive intelligent recovery

To advance to the next Setup Number, press the Up arrow key to the right of 0530. To go back to the previous Setup Number, press the Down arrow key.

## **Step 17. User Setup Number 0540: Number of Schedule Periods Available to Program**

To change Options, press the Up or Down arrow key to the right of the number in the lower right corner of screen. Options:

- 2 - Two program periods available (Wake and Sleep).
- 4 - Four program periods available (Wake, Leave, Return and Sleep).

To advance to the next Setup Number, press the Up arrow key to the right of 0540. To go back to the previous Setup Number, press the Down arrow key.

## **Step 18. User Setup Number 0640: Clock Format**

To change Options, press the Up or Down arrow key to the right of the number in the lower right corner of the screen. Options:

- 12 - 12 hour clock.
- 24 - 24 hour clock.

To advance to the next Setup Number, press the Up arrow key to the right of 0640. To go back to the previous Setup Number, press the Down arrow key.

## **Step 19. User Setup Number 0670: Screen Lockout Function**

To change Options, press the Up or Down arrow key to the right of the number in the lower right corner of the screen. Options:

- 0 - All keys are available. Screen is unlocked.]
- 1 - Screen is partially locked. All key functions are locked except the Temperature Up and Down keys and the Cancel key. Enter Advanced Setup to unlock the screen.
- 2 - Screen is fully locked. Enter Advanced Settings to unlock the screen.

To advance to the next Setup Number, press the Up arrow key to the right of 0670. To go back to the previous Setup Number, press the Down arrow key.

## Step 20. User Setup Number 0700: Temperature Display Offset

To change Options, press the Up or Down arrow key to the right of the number in the lower right corner of the screen. Options:

- 3 - Offset temperature display by  $-3^{\circ}\text{F}$  ( $-1.5^{\circ}\text{C}$ ).
- 2 - Offset temperature display by  $-2^{\circ}\text{F}$  ( $-1.0^{\circ}\text{C}$ ).
- 1 - Offset temperature display by  $-1^{\circ}\text{F}$  ( $-0.5^{\circ}\text{C}$ ).
- 0 - Offset temperature display by  $0^{\circ}\text{F}$  ( $0^{\circ}\text{C}$ ).
- 1 - Offset temperature display by  $1^{\circ}\text{F}$  ( $0.5^{\circ}\text{C}$ ).
- 2 - Offset temperature display by  $2^{\circ}\text{F}$  ( $1.0^{\circ}\text{C}$ ).
- 3 - Offset temperature display by  $3^{\circ}\text{F}$  ( $1.5^{\circ}\text{C}$ ).

NOTE: Offsetting the temperature display affects both the display as well as the control.

To advance to the next Setup Number, press the Up arrow key to the right of 0700. To go back to the previous Setup Number, press the Down arrow key.

## Step 21. User Setup Number 0701: Humidity Display Offset

To change Options, press the Up or Down arrow key to the right of the number in the lower right corner of the screen. Options:

- 5 - Offset humidity display by  $-5\%$
- 4 - Offset humidity display by  $-4\%$
- 3 - Offset humidity display by  $-3\%$

- 2 - Offset humidity display by -2%
- 1 - Offset humidity display by -1%
- 0 - Offset humidity display by 0%
- 1 - Offset humidity display by 1%
- 2 - Offset humidity display by 2%
- 3 - Offset humidity display by 3%
- 4 - Offset humidity display by 4%
- 5 - Offset humidity display by 5%

NOTE: Offsetting the indoor humidity display affects both the display as well as the control.

## Error Codes

The Comfort Control can alert the homeowner and installer to problems with the HVAC equipment or Comfort Control by using error codes. When displaying an Error Code, the screen will display “Err” and a bright red light will appear in the top-right corner of the comfort control. Refer to the Alert Code Addendum (document number 18-HD32D2-1/69-2009) provided with comfort control, or contact your authorized Trane dealer.



# FREQUENTLY ASKED QUESTIONS AND ANSWERS

**Q:** Some or all keys on the display do not work; why?

**A:** Comfort Control screen is locked. See “Advanced Settings” on page 34 to unlock keys on the screen.

**Q:** Comfort Control is asking for heating or cooling to come on (screen shows “Heat On” or “Cool On” in display) but there is no heating or cooling running.

**A:** Call your local heating and/or cooling contractor to check your heating and/or cooling system.

**Q:** Under the Fan on the screen, Auto and On or Auto and Circ are shown. What does this mean?

**A:** The Fan is programmed for either On or Circulate. See “Fan Schedule” on page 19 for more information.

**Q:** Why doesn't the Comfort Control respond when I touch the keys?

**A:** Check to determine if the screen is in the Locked or Clean mode. See “Screen Locked” on page 24 or “Cleaning Your Comfort Control Screen” on page 21.

**Q:** The fan is set to On but is not running; why?

**A:** The The Trane Proprietary Humidity Control disables continuous fan mode when the indoor humidity is above the dehumidification setpoint. See “Trane Proprietary Humidity Control” on page 28 for additional information.

# LIMITED WARRANTY LOW VOLTAGE ROOM COMFORT CONTROLS (PARTS ONLY)

This limited warranty is extended by the manufacturer to the original purchaser and to any succeeding owner of the real property to which the low voltage room comfort control is originally affixed and applies to products purchased and retained for use within the U.S.A. and Canada.

The limited warranty period begins when the low voltage room comfort control installation is complete, verified by installer's invoice or similar document. If installation completion and start-up date cannot be verified by installer's invoice or similar document, limited warranty coverage begins six (6) months after the date of manufacture based on the low voltage room comfort control serial number.

If any part of your low voltage room comfort control fails because of a manufacturing defect within five (5) years from the date the limited warranty period begins, Warrantor will furnish without charge a new low voltage room comfort control. Any local transportation, related service labor, and diagnosis calls, are not included.

This limited warranty does not apply if the low voltage room comfort control was purchased direct (i.e. from internet websites or auctions) on an uninstalled basis. Additionally, this limited warranty will not apply unless the low voltage room comfort control is: (1) installed by a licensed or qualified HVAC technician, (2) applied and installed in accordance with the manufacturer's recommendations in its Installer's Guide, and (3) in compliance with all industry standards, national, state, and local codes.

This limited warranty does not cover your low voltage room comfort control if it is damaged while in your possession; including, but not limited to (1) damage caused by unreasonable use of the low voltage room comfort control, (2) damage from failure to properly maintain the low voltage room comfort control as set forth in the Use and Care manual, (3) damage that is not considered a manufacturing defect, such as acts of God,

malfunctions or failures resulting from fire, water, storms, lightning, earthquake, theft, riot, misuse, abuse, increased utility usage costs, or (4) performance problems due to improper selection / equipment match-up, installation, or application.

THE LIMITED WARRANTY AND LIABILITY SET FORTH HEREIN ARE IN LIEU OF ALL OTHER WARRANTIES AND LIABILITIES, WHETHER IN CONTRACT OR IN NEGLIGENCE, EXPRESSED OR IMPLIED, IN LAW OF IN FACT, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR USE, AND IN NO EVENT SHALL WARRANTOR BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states do not allow limitations on how long an implied limited warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Parts will be provided by our factory organization through an authorized service organization in your area listed in the yellow pages. If you wish further help or information concerning this limited warranty, contact:

Residential Systems  
6200 Troup Highway  
Tyler, TX 75707  
Attention: Consumer Relations

Or visit our website: [www.trane.com/residential](http://www.trane.com/residential)  
TW-1019-3308

This comfort control contains a Lithium battery which may contain Perchlorate material. Due to State Law in California, the following statement is required:

Perchlorate Material - special handling may apply.  
See [www.dtsc.ca.gov/hazardous\\_waste/perchlorate](http://www.dtsc.ca.gov/hazardous_waste/perchlorate)

## CUSTOMER ASSISTANCE

If, after reading this guide, you have any questions concerning the operation of your Comfort Control, please call the Comfort Control Customer Assistance Helpline at 1-800-500-2041.

For service, contact your local heating and cooling contractor or visit  
[www.americanstandardair.com](http://www.americanstandardair.com)

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