CTC
A Division of SUPCO®

Wi-Fi Thermostat
PROCOMM SERIES

powered by
BlueLink))
smart connect ™

User Manual

93257WF
3H / 2C Smart Wi-Fi Universal Programmable Thermostat
with Wireless Humidity Control*

Model number is located on back of thermostat.

See Wi-Fi Setup Guide for Wi-Fi Setup Instructions.
Read all instructions before proceeding.

Store this manual for future reference

⚠ **Attention** *To prevent damage to the thermostat, never use a sharp instrument to press the touchscreen keys. Always press keys with your fingers.*

* Wireless Humidity Control requires wireless remote humidity sensor.

93257WF-110-01

Contents

Congratulations! You are in control of one of the easiest-to-use smart Wi-Fi thermostats on the market today. This thermostat has been designed to provide you with years of reliable performance and comfort control.

Features

- Optional Wi-Fi connectivity – control and monitor thermostat from a smartphone, tablet or computer
- 7 day, 5-2 day or non-programmable
- Large 6.5 sq. in. bright blue backlit display is easy to read
- Auto or manual changeover
- Residential or commercial modes
- Adjustable temperature limits
- Auxiliary heat fossil fuel option
- Precise temperature accuracy keeps you in control of your comfort
- Convenient programmable and circulating fan modes
- Optional indoor or outdoor remote sensing (wired or wireless)
- Optional wireless humidity control

1 About Your Thermostat

⚠️ **Attention** *To prevent damage to the thermostat, never use a sharp instrument to press the touchscreen keys. Always press keys with your fingers.*
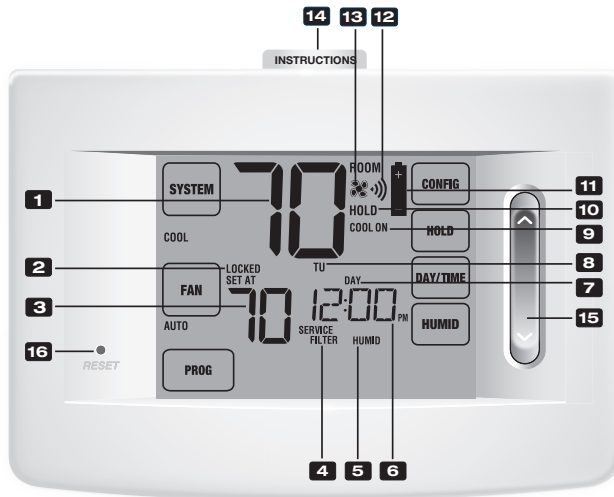
Thermostat and Display

1 **Room Temperature** .... Displays the current room temperature
2 **Lock Mode Indicator** .... Indicates if the thermostat is locked
3 **Set Temperature** .... Displays the current set point temperature
4 **Service Indicators** .... Displays various service/maintenance information
5 **Humidity Indicator** .... Indicates when there is a call for humidification
or dehumidification
6 **Time of Day** .... Displays the current time of day
7 **Program Event Indicator** .... Displays the program event
8 **Day of the Week** .... Displays the current day of the week
9 **System Status Indicator** .... Displays information about the status of the system
10 **Hold Mode Indicator** .... Indicates if the thermostat is in HOLD mode
11 **Low Battery Indicator** .... Indicates when the batteries need to be replaced
12 **Wi-Fi Indicator** .... Indicates when connected to Wi-Fi (flashes when connection
has been lost)
13 **Fan Indicator** .... Indicates when the system fan is running
14 **Quick Reference Instructions** ...... Stored in slot located at top of thermostat
15 **SpeedBar®** .... Increases or decreases settings (time, temperature, etc.)
16 **Reset Button** .... Resets current time, program and user settings
Battery Compartment .... Located in the back of thermostat

1   About Your Thermostat

⚠️ **Attention** *To prevent damage to the thermostat, never use a sharp instrument to press the touchscreen keys. Always press keys with your fingers.*
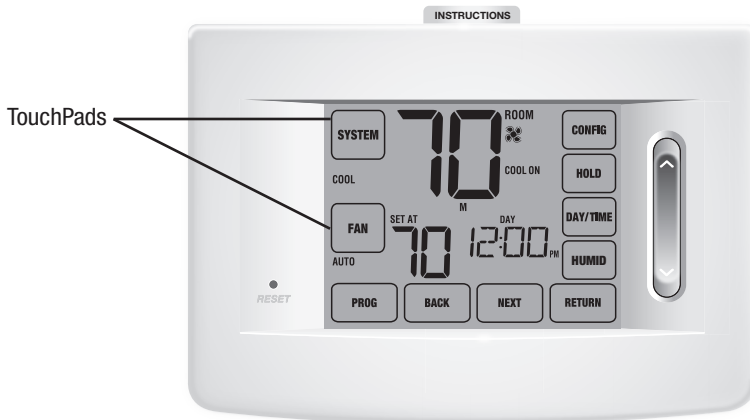
TouchPads

INSTRUCTIONS

SYSTEM

COOL

FAN

AUTO

RESET

PROG   BACK   NEXT   RETURN

ROOM

COOL ON

SET AT   DAY

70

M

70   12:00 PM

CONFIG

HOLD

DAY/TIME

HUMID

Thermostat TouchPads

NOTE: Thermostat TouchPads are located on the left, right and bottom portions of the display screen. They are the "touch sensitive" segments used to adjust your thermostat. Depending on equipment installed, all touchpads may not show.

SYSTEM.....Selects AUTO (Heat/Cool), COOL, OFF HEAT or EMER (Emergency Heat)

FAN...........Selects AUTO, ON, CIRC (Circulation) and PROG (Program) fan modes

PROG.........Selects programming mode or press for 3 seconds to select SpeedSet® mode

HOLD.........Enters/exits the HOLD mode (Program bypass)

DAY/TIME..Sets the current time and day of the week

BACK.........Moves back in setting modes

NEXT..........Moves forward in setting modes

RETURN.....Returns to normal mode from program or settings modes

CONFIG......Enters the User settings mode

HUMID*......Displays or adjusts the current humidity level

Outdoor Temperature

If an outdoor temperature sensor was connected, you may touch the room temperature area of the screen to view the outdoor temperature.

*Only available if optional wireless remote humidity sensor is installed.
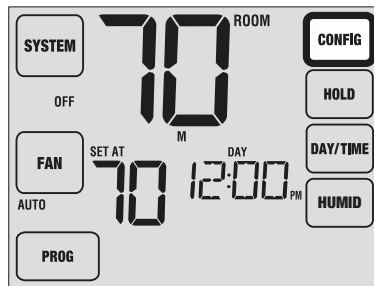
2 Setting User Options

Advanced User Options

User options allow you to customize some of your thermostat's features. Most users will not need to make any changes to the settings in this section.

To access the User Options menu, touch and hold the **CONFIG** TouchPad for approximately 1 second until the screen changes and displays the first User Option.

Press the SpeedBar® up or down to change the setting for the displayed User Option. After you have changed your desired setting, touch **NEXT** to advance to the next User Option. You may also touch **BACK** to move backwards through the User Options.

When your changes are complete, touch **RETURN** to exit.

Table of User Options

NOTE: Some user options may not be available, depending on how your thermostat was configured in the Installer Settings (see Installer Manual). A detailed description of each User Option follows this table.

No.	User Options	Factory Default	Setting Options	Comments	Pg.
1	Audible Tone	on BEEP	on BEEP	Enables an audible key press beep and comm loss beep.	11
			oF BEEP	Disables an audible key press beep and comm loss beep.	
2	Filter Service Monitor	OFF	OFF	Disables filter service monitor feature.	11
			30, 60, 90, 120, 180, 365	Selects a number of days that must pass before the thermostat will flash a Service Filter reminder in the display screen.	
3	UV Light Service Monitor	OFF	OFF	Disables UV service monitor feature.	11
			180, 365	Selects a number of days before the thermostat will flash a Service UV reminder in the display screen.	
4	Humidifier Pad Service Monitor	OFF	OFF	Disables pad service monitor feature.	11
			180, 365	Selects a number of days before the thermostat will flash a Service Humid reminder in the display screen.	
5	Extended Hold Period	LONG	LONG	Selects long (permanent) hold mode.	11
			24HR	Selects 24 hour (temporary) hold mode.	
6	Temporary Override Adjustment Limit	0 ADJ	0, 1, 2, or 3 ADJ 0	Selects a temporary temperature adjustment limit of 0 (disabled), 1˚, 2˚ or 3˚.	12

(continued)

Table of User Options

NOTE: Some user options may not be available, depending on how your thermostat was configured in the Installer Settings (see Installer Manual). A detailed description of each User Option follows this table.

No.	User Options	Factory Default	Setting Options	Comments	Pg.
7	Program Override Time Limit	4 TEMP	4, 3, 2 or 1 TEMP	Selects a temporary program override time limit of 1, 2, 3 or 4 hours.	12
8	Thermostat Lock Code	000	0-9	Select a 3 digit lock code of 0-9 for each digit.	12
9	Wi-Fi Clear	WIFI	WIFI	No changes to Wi-Fi network settings.	13
			CL WIFI	Clears Wi-Fi network settings.	

Detailed Explanation of User Options:

Audible Tone
User Option 1

The Audible Tone feature turns on or turns off a tone you will hear when you touch any of the TouchPads or press the SpeedBar®. You will also hear an audible warning (beep) every 60 seconds during a Wi-Fi or wireless remote sensor communication loss (see page 26). Select between on and off.

Service Monitors
(Filter, UV and Humidifier Pad)
User Options 2, 3 and 4

There are three user selectable service monitors that will display reminders for a required air filter, UV bulb or humidifier pad replacement. The SERVICE segment flashes in the display along with FILTER, UV or HUMID. When the service interval has been reached, and required cleaning or replacement has been performed, touch the **RETURN** TouchPad to reset the timer. Select OFF or a set number of days before the reminder will appear.
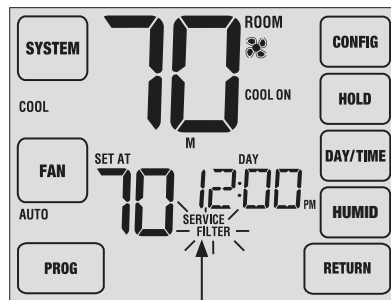
Service Reminders

Extended Hold Period
User Option 5

The Extended Hold Period lets you select the period your thermostat will hold the temperature when the HOLD mode is activated *(See Setting the Temperature, page 24)*. When LONG is selected the thermostat will hold your temperature indefinitely. When 24HR is selected, the thermostat will hold your temperature for 24 hours and then return to the current program at that time. Not available in non-programmable mode.

Temporary Override Adjustment Limit
User Option 6

The Temporary Override Adjustment Limit will limit how much the temperature can be adjusted from the current set point when the thermostat is used in the programmable mode. This setting will not allow the user to override the temperature past the selected limit amount of 1, 2 or 3 degrees from the current set point. When the user reaches the adjustment limit the screen will flash ADJ. A setting of 0 disables the adjustment limit.

The Temporary Override Adjustment Limit can also be used in the non-programmable mode if the keypad lockout security level is set to level 1 *(See Installer Manual)*.
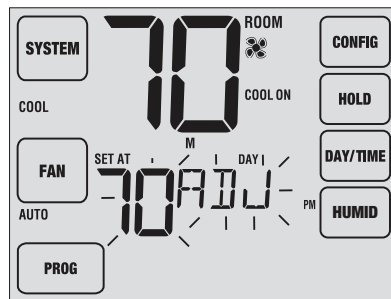
Program Override Time Limit
User Option 7

The Program Override Time Limit allows you to set a maximum time limit (in hours) that the thermostat will return to the program after a temporary temperature adjustment has been made *(See Setting the Temperature, page 24)*. You may select 1, 2, 3 or 4 hours. Not available in non-programmable mode.

Thermostat Lock Code
User Option 8

The Thermostat Lock Code sets a 3-digit code that you may use at any time to lock or unlock the thermostat. Setting the code in the user options mode does not activate the lock feature *(See Locking/Unlocking Thermostat, page 32)*. You may choose a 3-digit code with each digit being 0-9.

Wi-Fi Clear
User Option 9

Use this setting if you no longer want to be connected to your Wi-Fi network or if you change Wi-Fi routers. Select WIFI to skip changes to your network settings. Select CL WIFI to clear all Wi-Fi network settings. You can set up Wi-Fi again at a later time if desired (see Wi-Fi Setup Guide).

3 Setting Your Program Schedule

Setting the Time and Day

1. In normal operating mode, touch the **DAY/TIME** TouchPad. The display will switch to the day/time setting mode and the hour will be flashing.

2. Press the SpeedBar® up or down to adjust the hour, touch **NEXT**.

3. Press the SpeedBar up or down to adjust the minute, touch **NEXT**.

4. Press the SpeedBar up or down to adjust the day of the week.

5. Touch **RETURN** to exit.
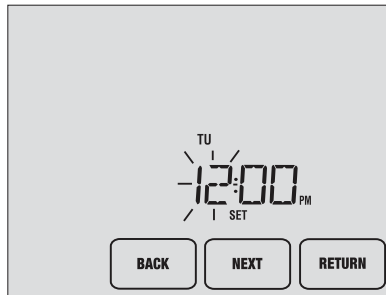
NOTE: If the Wi-Fi feature is used, the clock will adjust automatically to the time zone and DST (Daylight Savings Time) set up in the Wi-Fi feature.

Tips Before Setting Your Program Schedule

• Make sure your current time and day of the week are set correctly.

• When programming, make sure the AM and PM indicators are correct.

• Various installer settings such as auto changeover mode, fan lock mode and temperature adjustment limits may affect your programming flexibility.

• Your NIGHT event cannot exceed 11:50 p.m.

This thermostat has been configured with one of the following programming options:

• Residential 7 day programming mode with 4 events per day (default)

• Residential 5-2 (weekday/weekend) programming mode with 4 events per day

• Commercial 7 day programming mode with 2 events per day

• Non-Programmable mode

NOTE: If this thermostat was configured In the Installer Settings to be non-programmable, then you cannot set a user program and may skip this section. See the Installer Manual for different configuration options.

(Program changes can be made at the thermostat or from the BlueLink Smart Connect™ application on your smartphone, tablet or PC.)

Energy Saving Programs

This thermostat comes pre-programmed with a default energy saving program. The following tables outline the pre-programmed times and temperatures for heating and cooling in each of your 4 daily events (2 events if configured for commercial mode). If you wish to use these settings then no further programming is necessary:

Residential 7 Day Programming _Factory Settings_	
4 Event	**All Days**
MORN	Time: 6:00 am Heat: 70˚ F (21˚ C) Cool: 78˚ F (26˚ C)
DAY	Time: 8:00 am Heat: 62˚ F (17˚ C) Cool: 85˚ F (29˚ C)
EVE	Time: 6:00 pm Heat: 70˚ F (21˚ C) Cool: 78˚ F (26˚ C)
NIGHT	Time: 10:00 pm Heat: 62˚ F (17˚ C) Cool: 82˚ F (28˚ C)

Commercial 2 Event Programming _Factory Settings_	
2 Event	**All Days**
OCCUPIED	Time: 8:00 am Heat: 70˚ F (21˚ C) Cool: 78˚ F (26˚ C)
UNOCCUPIED	Time: 6:00 pm Heat: 62˚ F (17˚ C) Cool: 85˚ F (29˚ C)

Residential 5-2 Day Programming – Weekday/Weekend *Factory Settings*		
4 Event	**Weekday**	**Weekend**
MORN	Time: 6:00 am Heat: 70˚ F (21˚ C) Cool: 78˚ F (26˚ C)	Time: 6:00 am Heat: 70˚ F (21˚ C) Cool: 78˚ F (26˚ C)
DAY	Time: 8:00 am Heat: 62˚ F (17˚ C) Cool: 85˚ F (29˚ C)	Time: 8:00 am Heat: 62˚ F (17˚ C) Cool: 85˚ F (29˚ C)
EVE	Time: 6:00 pm Heat: 70˚ F (21˚ C) Cool: 78˚ F (26˚ C)	Time: 6:00 pm Heat: 70˚ F (21˚ C) Cool: 78˚ F (26˚ C)
NIGHT	Time: 10:00 pm Heat: 62˚ F (17˚ C) Cool: 82˚ F (28˚ C)	Time: 10:00 pm Heat: 62˚ F (17˚ C) Cool: 82˚ F (28˚ C)

Programming a 7 Day Residential Schedule

The 7 day residential programming mode gives you the option to program individual days (1 day at a time) or to use SpeedSet and program the entire week (all 7 days) with a 4 event program schedule.

Setting All 7 Days at Once (SpeedSet®)

NOTE: Setting all 7 days at once will copy over any previously programmed individual days.

1. Hold the **PROG** TouchPad for 3 seconds. The display will switch to SpeedSet programming mode. All 7 days of the week will appear and the hour will be flashing.

2. Touch **SYSTEM** to select HEAT or COOL.

3. Press the SpeedBar® up or down to adjust the hour for the MORN (morning) event. Touch **NEXT.**

4. Press the SpeedBar up or down to adjust the minute for the MORN event. Touch **NEXT**.

5. Press the SpeedBar up or down to adjust the temperature for the MORN event. Touch **NEXT**.

6. Press the SpeedBar up or down to adjust the fan setting for the MORN event. Touch **NEXT**.

7. Repeat steps 3-6 for the DAY, EVE and NIGHT events.

8. If needed, repeat steps 2-7 to program the opposite mode (HEAT or COOL).

9. Touch **RETURN** to exit.
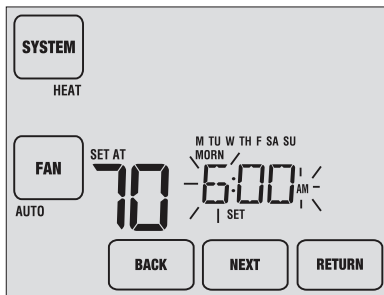
## Setting Individual Days (7 Day Residential)

1. Touch the **PROG** TouchPad. The display will switch to programming mode. M (Monday) will be displayed and the hour will be flashing.
2. Touch **SYSTEM** to select HEAT or COOL.
3. Touch **DAY/TIME** to select the day you would like to program.
4. Press the SpeedBar® up or down to adjust the hour for the MORN (morning) event. Touch **NEXT**.
5. Press the SpeedBar up or down to adjust the minute for the MORN event. Touch **NEXT.**
6. Press the SpeedBar up or down to adjust the temperature for the MORN event. Touch **NEXT**.
7. Press the SpeedBar up or down to adjust the fan setting for the MORN event. Touch **NEXT**.
8. Repeat steps 4-7 for your DAY, EVE and NIGHT events.
9. If needed, repeat steps 3-7 to select a different day to program.
10. If needed, repeat steps 2-9 to program the opposite mode (HEAT or COOL).
11. Touch **RETURN** to exit.
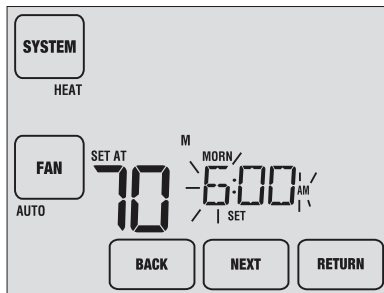
Programming a 5-2 Day Residential Schedule

The 5-2 day residential programming mode allows you to program Monday - Friday with one 4 event schedule and then allows you to change Saturday and Sunday with a different 4 event schedule.

1. Touch the **PROG** TouchPad. The display will switch to programming mode. The days M, TU, W, TH, and F will be displayed and the hour will be flashing.
2. Touch **SYSTEM** to select HEAT or COOL.
3. Press the SpeedBar® up or down to adjust the hour for the MORN (morning) event. Touch **NEXT**.
4. Press the SpeedBar up or down to adjust the minute for the MORN event. Touch **NEXT**.
5. Press the SpeedBar up or down to adjust the temperature for the MORN event. Touch **NEXT**.
6. Press the SpeedBar up or down to adjust the fan setting for the MORN event. Touch **NEXT**.
7. Repeat steps 3-6 for your DAY, EVE and NIGHT events.
8. Repeat steps 3-7 for your weekend (S, SU) program.
9. If needed, repeat steps 2-9 to program the opposite mode (HEAT or COOL).
10. Touch **RETURN** to exit.
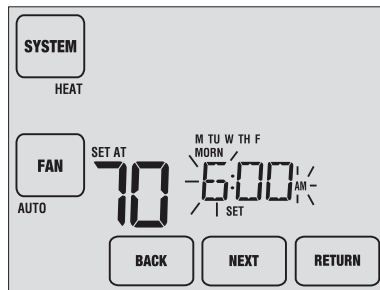
Programming a 7 Day Commercial Schedule

The 7 day commercial programming mode gives you the option to program individual days (1 day at a time) or to use SpeedSet and program the entire week (all 7 days) with a 2 event program schedule.

### Setting All 7 Days at Once (SpeedSet®)

NOTE: Setting all 7 days at once will copy over any previously programmed individual days.

1. Hold the **PROG** TouchPad for 3 seconds. The display will switch to SpeedSet programming mode. All 7 days of the week will appear and the hour will be flashing.
2. Touch **SYSTEM** to select HEAT or COOL.
3. Press the SpeedBar® up or down to adjust the hour for the OCCUPIED event. Touch **NEXT**.
4. Press the SpeedBar up or down to adjust the minute for the OCCUPIED event. Touch **NEXT**.
5. Press the SpeedBar up or down to adjust the temperature for the OCCUPIED event. Touch **NEXT**.
6. Press the SpeedBar up or down to adjust the fan setting for the OCCUPIED event. Touch **NEXT**.
7. Repeat steps 3-6 for your UNOCCUPIED event.
8. If needed, repeat steps 2-7 to program the opposite mode (HEAT or COOL).
9. Touch **RETURN** to exit.
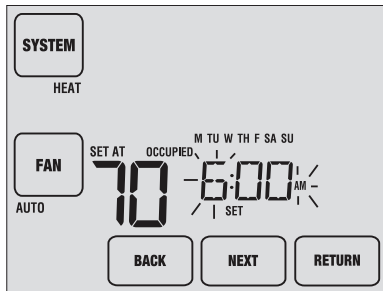
Setting Individual Days (7 Day Commercial)

1. Touch the **PROG** TouchPad. The display will switch to programming mode. M (Monday) will appear and the hour will flash.
2. Touch **SYSTEM** to select HEAT or COOL.
3. Touch **DAY/TIME** to select an individual day.
4. Press the SpeedBar® up or down to adjust the hour for the OCCUPIED event. Touch **NEXT**.
5. Press the SpeedBar up or down to adjust the minute for the OCCUPIED event. Touch **NEXT**.
6. Press the SpeedBar up or down to adjust the temperature for the OCCUPIED event. Touch **NEXT**.
7. Press the SpeedBar up or down to adjust the fan setting for the OCCUPIED event. Touch **NEXT**.
8. Repeat steps 4-7 for your UNOCCUPIED event.
9. If needed, repeat steps 3-7 to select other individual days.
10. If needed, repeat steps 2-9 to program the opposite mode (HEAT or COOL).
11. Touch **RETURN** to exit.
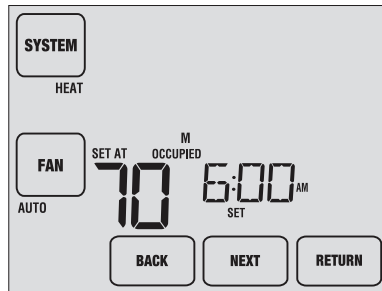
4 Operating Your Thermostat

Setting the SYSTEM Control Mode

The System Control has 5 modes of operation – AUTO, COOL, OFF, HEAT and EMER. The mode can be selected by touching the **SYSTEM** TouchPad to scroll through the different modes.

NOTE: Depending on how your thermostat was configured, some system modes may not be available.

AUTO The system will cycle between heating and cooling automatically based on your program set points. AUTO will be displayed with either HEAT or COOL.

COOL Only your cooling system will operate.

OFF Heating and cooling systems are off.

HEAT Only your heating system will operate

EMER Operates a backup heat source (Emergency Heat) for heat pump systems only.
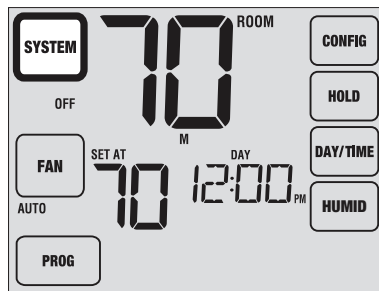
Setting the FAN Control Mode

The Fan Control has 4 modes of operation – AUTO, ON, CIRC and PROG. The mode can be selected by touching the **FAN** TouchPad to scroll through the different modes.

NOTE: *Depending on how your thermostat was configured, some fan modes may not be available.*

AUTO   The system fan will run only when your heating or cooling system is running.

ON   The system fan stays on.

CIRC   The system fan will run intermittently to help circulate air and provide more even temperature distribution when the heating or cooling system is not active.

PROG   The system fan will function in the AUTO or ON modes depending on your program schedule.
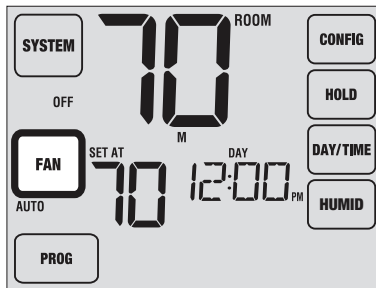
Setting the Temperature

Temporary Adjustment – Press the SpeedBar® up or down to adjust the current set temperature. If your thermostat is running in 5-2 or 7 day programmable mode, the set temperature will change back to your original programmed settings when your next scheduled change in temperature occurs.

Extended Adjustment – Touch the **HOLD** TouchPad so that HOLD appears in the display screen. Press the SpeedBar up or down to adjust the current set temperature (*See Extended Hold Period, page 11*).

NOTE: If this thermostat was configured to be non-programmable, you will not have a HOLD option.

SpeedBar
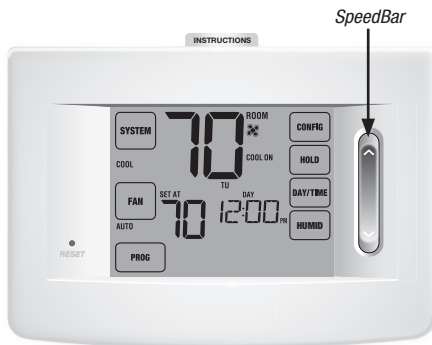
Status Indicators

Status indicators appear in the display to let you know if your system is heating, cooling or off.

HEAT ON Heating system is running.

COOL ON Cooling system is running.

AUX Auxiliary stage of heating is running (multi-stage systems only).

EMER Emergency heating system is running (heat pump systems only).

CHECK There is a potential problem with your system. Contact a local service technician.

SERVICE User selectable service reminder for changing a filter, UV air purifier bulb or humidifier pad *(see Service Monitors, page 11)*.

ADJ Temperature adjustment limit has been reached.

•))) Thermostat is connected to Wi-Fi network (flashes if connection is lost).

Thermostat battery is low *(see Thermostat Maintenance, page 38)*.

NO AC AC Power to system has been lost *(see page 34)*.
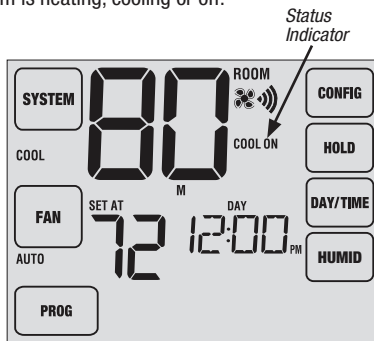
Wireless Remote Sensor Status Indicators

If wireless remote sensors were installed, you may see one of the following status indicators.

Communication Loss

If communication with a wireless remote sensor has been lost, the display screen will alternate between **COMM LOSS** and the name of the sensor that has lost communication. See **Table 1** for a list of possible sensor names.

The wireless sensor will attempt to reconnect with the thermostat automatically, however you can also manually attempt reconnection by pressing and holding the **CONNECT** button for 3 seconds on the wireless remote sensor (see wireless remote sensor instructions).

NOTE: If Audible Tone is enabled in User Options (see section 2), the thermostat will also sound a beep every 60 seconds when communication has been lost. You can press RETURN to cancel the beeping sound.
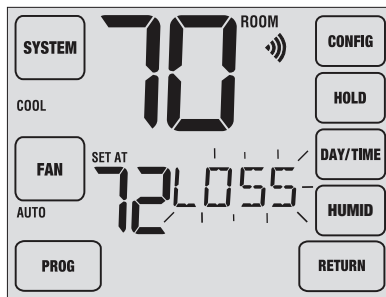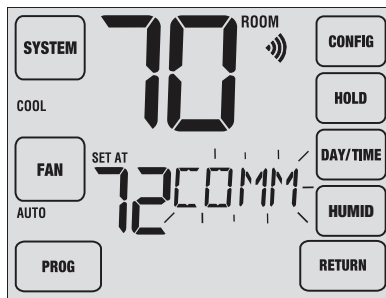
Low Batteries

If batteries become low in a wireless remote sensor, the display screen will alternate between **LOW BATT** and the name of the sensor that has the low batteries. See **Table 1** below for a list of possible sensor names. Replace the batteries in the remote sensor as soon as possible (see wireless remote sensor instructions).
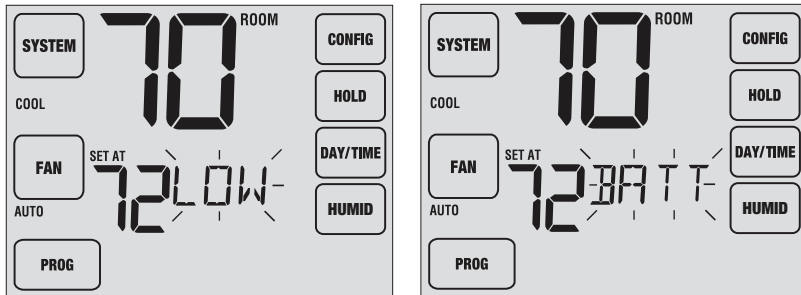
IDS1, IDS2, IDS3 or IDS4	Remote Indoor Sensor 1-4	Requires 2 AA Alkaline Batteries
ODS	Remote Outdoor Sensor	Requires 2 AA Lithium Batteries
HMS	Remote Humidity Sensor	24 VAC Powered - No Batteries

Table 1

Program Event Indicators

Program event indicators appear in the display to let you know what part of your current program is active.

• In Residential Program Mode, MORN, DAY, EVE or NIGHT will appear.
• In Commercial Program Mode, OCCUPIED or UNOCCUPIED will appear.

When the program event indicator is flashing, your program has been temporarily bypassed and will resume at the next scheduled event.

NOTE: You will not see a program event indicator while in HOLD or Non-Programmable Mode.

Resetting the Thermostat

This thermostat provides you with a reset button that will erase all of your user settings and programming.
The reset feature does not affect the Installer Settings.

To reset the thermostat, use a small object such as a tooth pick or paperclip and gently press the button located inside the small hole on the front of the thermostat housing labeled "reset".

NOTE: You cannot reset the thermostat if it is locked.

*Program Event Indicator*

Reset Button
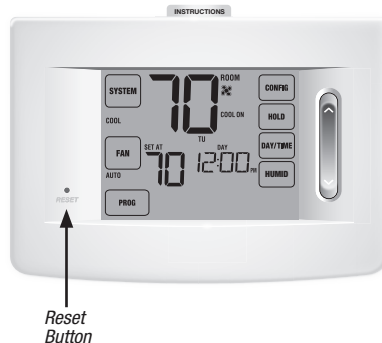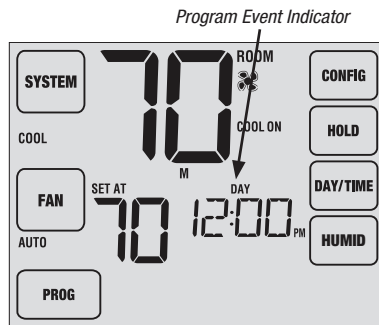
5 Additional Operation Features

Auto Changeover Mode

Auto Changeover mode is a feature enabled/disabled in the Installer Settings (see Installer Manual). If enabled, it is selected by touching the SYSTEM TouchPad until AUTO HEAT or AUTO COOL appears below the TouchPad.

When Auto Changeover mode is enabled and selected, the system automatically switches between heating and cooling when the room temperature meets the programmed heating or cooling set points. To operate properly, the thermostat requires a "dead band" setting to eliminate program conflicts. The dead band is set in the Installer Settings (*See Installer Manual*). The default setting is 3° F. Therefore, you will not be able to set your heat or cool temperature within 3° F of each other. If a setting is made in either heating or cooling which violates the dead band, the opposite mode will adjust up or down automatically to maintain the programmed dead band spacing.
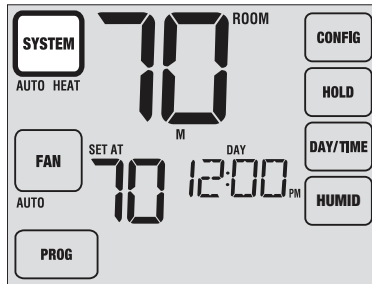
Adaptive Recovery Mode (ARM™)

Adaptive Recovery Mode is a feature enabled/disabled in the Installer Settings (See Installer Manual). If enabled, the feature is automatically present while in programmable mode.

Adaptive Recovery Mode tries to reach your desired heating or cooling temperature at the time you have set in your current program schedule, after a setback period. For example, if you set your heat down to 62° at night and have a set point of 70° scheduled for 7:00 AM, the thermostat may turn on your heating system early in order achieve a temperature of 70° by 7:00 AM.

This feature does not operate when the thermostat is in HOLD mode, if the program is temporarily overridden or if emergency heat is selected on a multistage heat pump system.

Circulating Fan Mode

Circulating Fan Mode is selected by touching the FAN TouchPad until CIRC appears in the display.

The system fan will run intermittently to help circulate air and provide more even temperature distribution when the heating or cooling system is not active.
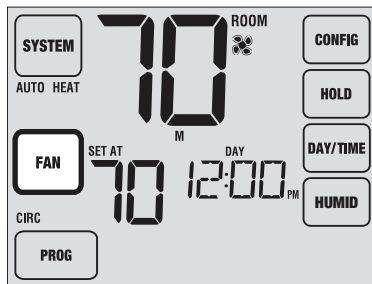
Programmable Fan Mode

Programmable Fan Mode is selected by touching FAN until PROG appears below the FAN TouchPad. It is only available in programmable mode.

Programmable Fan Mode allows the user to run the fan continuously during a selected program event. To use this feature, select fan ON while setting program events. *(See "Setting Your Program Schedule", page 13).*

The Programmable Fan Mode is not available if the Circulating Fan Lock was enabled in the Installer Settings or if in non-programmable mode *(See Installer Manual).*

Compressor Protection

Compressor protection is enabled/disabled in the Installer Settings (See Installer Manual). If enabled, this feature is automatically present in cooling and/or heating modes.

This thermostat includes an automatic compressor protection delay to avoid potential damage to your system from short cycling. This feature activates a short delay after turning off the system compressor.

Additionally, for multi-stage heat pump systems, this thermostat provides cold weather compressor protection by locking out the compressor stage(s) of heating for a period of time after a power outage greater than 60 minutes. This cold weather compressor protection can be manually overridden at any time by changing the system mode to OFF momentarily, then back to HEAT.
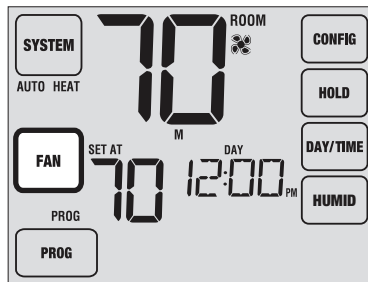
Locking and Unlocking the Thermostat

Your 3-digit Lock Code is set in the "User Options" portion of this manual (See "Setting User Options", page 8 and 10). Once the code is set, the thermostat can be locked or unlocked at any time by entering that code.

To lock or unlock the thermostat, touch and hold the **SYSTEM** and **DAY/TIME** TouchPads together for 5 seconds (Figure 1).

The screen will change, displaying 000 and LOCK will be flashing (Figure 2). Press the SpeedBar® up or down to enter the first digit of your lock code and then touch **NEXT** to advance to the next digit. Repeat this process to enter the second and third digit of your lock code. After entering the third digit, touch **RETURN**.
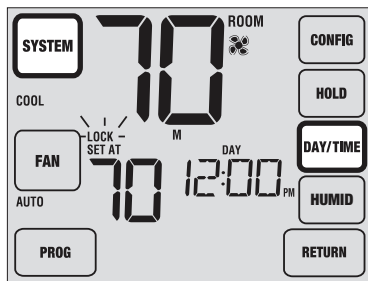
Figure 1
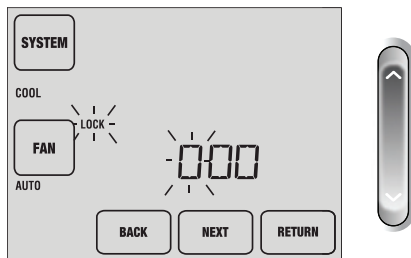
Figure 2

If you entered a valid code the thermostat will be locked or unlocked (depending on its previous state). When locked, the word LOCKED appears in the display (Figure 3). If an invalid code is entered the word NO will briefly appear, indicating that an incorrect code was entered (Figure 4).
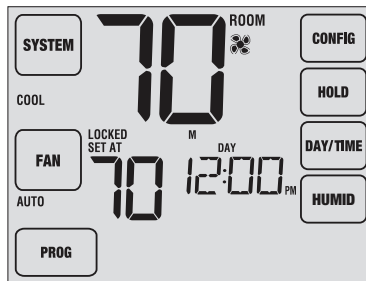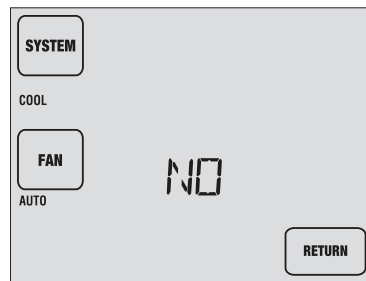

Figure 3

Figure 4

AC Power Monitor

The AC Power Monitor feature is enabled in the Installer Settings (See Installer Manual). If enabled, this feature will automatically be present.

If your thermostat was hardwired (power provided from the system with batteries as a backup) then the AC Power Monitor feature will indicate when a loss of power to the thermostat has occurred by displaying NOAC.

Indoor Remote Sensing

Indoor remote sensing is achieved by installing a wired or wireless remote indoor sensor and is configured in the Installer Settings (See Installer Manual).

If an indoor remote sensor was installed and properly configured in the Installer Settings, the thermostat will sense temperature at a remote location or at a combination of a remote location(s) and the thermostat location.
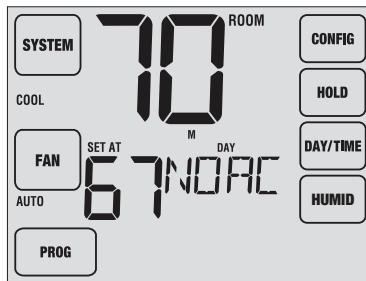
Outdoor Remote Sensing

Outdoor remote sensing is enabled by installing a wired or wireless remote outdoor sensor. No additional configuration is required.

If an outdoor remote sensor was installed you may touch the room temperature area of the screen. The current outdoor temperature will be displayed for 5 seconds (Figure 2).

If no outdoor remote sensor is installed, only the backlight will turn on.
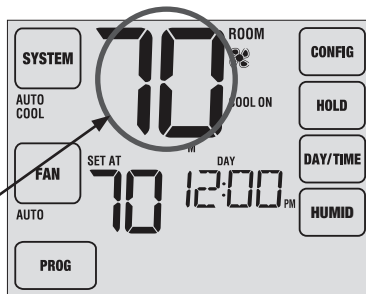

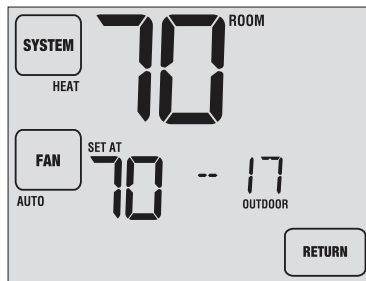*Touch this area to display the outside temperature.*

Figure 1

Figure 2

Humidification and Dehumidification

If this thermostat was also equipped with a wireless humidity sensor, it can be used to control a whole house humidifier or dehumidifier. Humidification can be controlled manually from the thermostat or automatically when a outdoor remote sensor is installed and configured in the Installer Settings (See Installer Manual).

To view the current humidity level at the thermostat, touch the **HUMID** TouchPad (Figure 1). If humidification and dehumidification are not enabled, you will only see the current humidity level.

If humidification is enabled you will see the current humidity level along with the humidification set point (Figure 2). Press the SpeedBar®up or down to adjust the humidification set point.
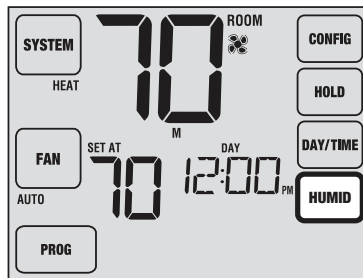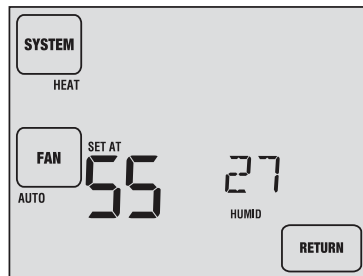

Figure 1

Figure 2

If humidification and dehumidification are both enabled you will first see the current humidity level along with the humidification set point. Press the SpeedBar® up or down to adjust the humidification set point. Touch **HUMID** again to display the dehumidification set point. Press the SpeedBar up or down to adjust the dehumidification set point (Figure 3). Touch **RETURN**.

NOTE: If Automatic Humidity Control was enabled in the Installer Options, the humidification set point may be automatically adjusted to compensate for changes in outdoor temperature.

When there is a call for humidification the word HUMID will appear in the screen (Figure 4). When there is a call for dehumidification, the word DEHUMID will appear.
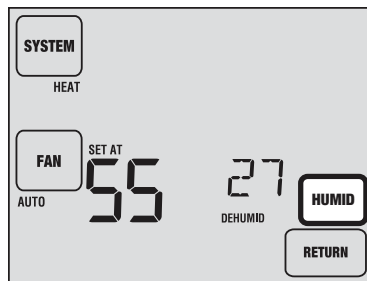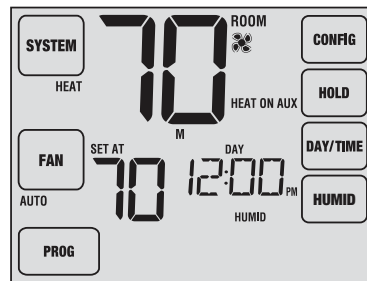
Figure 3

Figure 4

6 Thermostat Maintenance

Screen Cleaning

To access the screen cleaning mode hold the **CONFIG** and **FAN** TouchPads at the same time for 3 seconds (Figure 1). The screen will display a countdown timer for 30 seconds (Figure 2). During this time the screen will be locked and you may proceed with cleaning the screen. After 30 seconds the display will return to normal.

Never spray any liquid directly on the thermostat. Spray your cleaning liquid on a soft cloth and then proceed to clean the screen with the damp cloth. Only use water or household glass cleaner. Never use any abrasive cleansers to clean your thermostat.
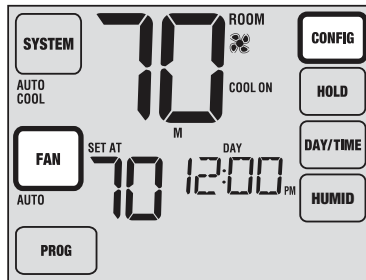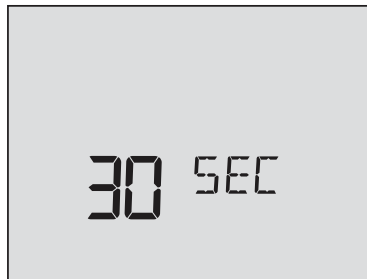
Figure 1

Figure 2

Changing the Batteries

This thermostat requires two (2) properly installed "AA" alkaline batteries to maintain the thermostat clock and to provide power for the thermostat if 24 volt AC power is not connected. *(See Installer Manual)*.

If batteries become low, a battery indicator will appear in the display. You should change your batteries immediately when you see the low battery signal by following these instructions.

1. Remove thermostat body by gently pulling it from base.
2. Remove old batteries and replace with new batteries.
3. Make sure to correctly position the (+) and (-) symbols.
4. Gently push thermostat body back onto base.

NOTE: We recommend replacing the thermostat batteries annually or if the thermostat will be unattended for an extended period of time.
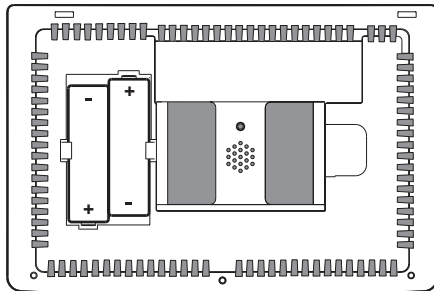
CTC Thermostats Limited Warranty

CTC warrants your CTC thermostat to be free from defects in material or workmanship for a period of three years from the date of sale to the original user or consumer purchaser. If your CTC thermostat malfunctions or fails within the warranty period because of a defect in material or workmanship, we will replace it.

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. THE DURATION OF ANY IMPLIED WARRANTY, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, INRESPECT TO YOUR CTC THERMOSTAT IS LIMITED TO THE PERIOD OF THE EXPRESS WARRANTY SET FORTH ABOVE.

This warranty is voided if your CTC thermostat is not purchased and used in the USA. This warranty excludes and does not cover defects, malfunctions or failures of your CTC thermostat which were caused by repairs by persons not authorized by us, mishandling, improper installation, modifications or damage to the CTC thermostat while in your possession, or unreasonable use, including failure to provide reasonable and necessary maintenance.

Store this manual for future reference.

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