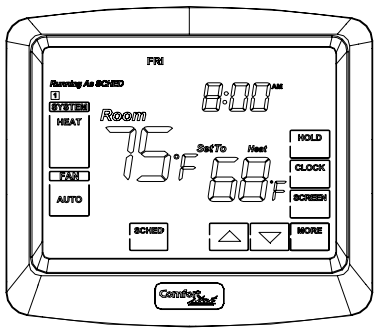
Thermostat Owners Manual

Model：TOUCH ME 1



Congratulations!

Your new thermostat will provide years of reliable service. By saving energy, your thermostat will pay for itself during its first season of use. Thanks you for buying our product!

Please read this manual for complete instructions on installing and operating your thermostat. If you require further assistance, please feel free to contact us

IMPORTANT INFORMATION

1. This thermostat will NOT control 110/220V baseboard electric heating systems.

2. Temperature Range

This thermostat can be programmed between 41˚F and 95˚F (5˚C and 35˚C) in HEAT mode, 45˚F and 99˚F (7˚C and 37˚C) in COOL mode. However, it will display room temperatures from 32˚F to 99˚F (0˚C and 37˚C). “HI” will be displayed if the temperature is higher than 99˚F (37˚C), and “LO” will be displayed if the temperature is lower than 32˚F (0˚C).

This thermostat will automatically cutoff in Heat mode if the temperature rises above 95˚F (35˚C), and automatically cutoff in Cool mode if the temperature drops below 45˚F (7˚C).

3. Compressor Protection

This thermostat provides a 4 minutes delay after shutting off the cooling system before it can be restarted. This feature will prevent damage to your compressor caused by rapid cycling. It does not prevent a rapid compressor restart due to short power outages.

4. Battery Warning

Two fresh AAA alkaline batteries should provide well over one year of service. However, when the batteries become drained, the Low Battery Indicator will flash on the display. When this message occurs, install new alkaline batteries. Once the batteries have become too low to ensure proper operation, your system will be turned off, and the display will be cleared except for flashing Low Battery Indicator on the LCD display.

CAUTION: When only the Low Battery icon flashes on the display, the thermostat is shut down, and your system will no longer operate.

In this condition, there is no temperature control of your dwelling.

NOTE: The backlight will not function when the thermostat is in low battery condition.

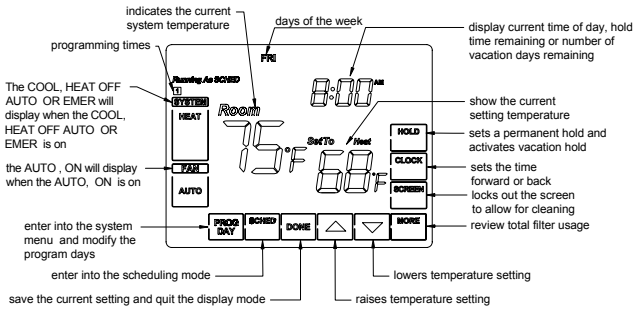
NOTE: If you plan to be away from the premises over 30 days, we recommend that you replace the old battery with new alkaline battery prior to leaving.

5.Power supply

The thermostat shall be powered by 24 VAC and with battery as backup.

FEATURES

Structure of thermostat and explanation for the LCD and keypad.



We are pleased you have selected one of our broad lines of wall thermostat. Our products are manufactured to high quality standards and are designed for years of service.

Read This Before Installing Thermostat

OPERATION

YOUR THERMOSTAT REPLACES

Description	
Heat Pump (No Aux. or Emergency Heat)	Yes
Heat Pump (with Aux. or Emergency Heat)	Yes
Standard Heat & Cool Systems	Yes
Two Stage Heat & Two Stage Cool	Yes
Standard Heat Only Systems	Yes
Millivolt Heat Only Systems– Floor or Wall Furnaces	Yes
Standard Central Air Conditioning	Yes
Gas or Oil Heat	Yes
Electric Furnace	Yes
Hydronic (Hot Water) Zone Heat-2 Wires	Yes
Hydronic (Hot Water) Zone Heat–3 Wires	No

NOTE: This Thermostat will NOT control 110/220Volt systems.

IMPORTANT

Read the entire installation section of this Owner’s Manual thoroughly before you begin to install or operate your Thermostat.

This thermostat can be used for conventional or heat pump systems, please configure the thermostat according to Configuration Menu before operation.

INSTALLATION

What You Need

This thermostat includes two #8 slotted screws and four wall anchors for mounting. To install your controller, you should have the following tools and materials.

■ Slotted Screwdriver(s) ■ Small Philips screwdriver ■ Hammer

■ Electric drill and 3/16” bit ■ Two 1.5V (AAA) size alkaline battery (included)

CAUTION:

To prevent electrical shock and/or equipment damage, disconnect electric power to system at main fuse or circuit breaker box until installation is complete.

Before removing wires from old thermostat's switching subbase, label each wire with the terminal designation it was removed from.

1. Shut off electricity at the main fuse box until installation is complete. Ensure that electrical power is disconnected.

2. Remove Old Thermostat: A standard heat/cool thermostat consists of three basic parts:

a. The cover, which may be either a snap-on or hinge type.

b. The base, which is removed by loosening all captive screws.

c. The switching subbase, which is removed by unscrewing the mounting screws that hold it on the wall or adaptor plate.

3. Remove the front cover of the old thermostat. With wires still attached, remove wall plate from the wall. If the old thermostat has a wall mounting plate, remove the thermostat and the wall mounting plate as an assembly.

4. Identify each wire attached to the old thermostat.

5. Disconnect the wires from the old thermostat one at a time. DO NOT LET WIRES FALL BACK INTO THE WALL.

6. Install new thermostat using the following procedures.

WARNING

Does not use on circuits exceeding specified voltage. Higher voltage will damage control and could cause shock or fire hazard. Do not short out terminals on gas valve or primary control to test. Short or incorrect wiring will damage thermostat and could cause personal injury and/or property damage.

Attach Thermostat Base to Wall

1. Remove the packing material from the thermostat. Gently pull the cover straight off the base. Forcing or prying on the thermostat will cause damage to the unit.

2. Connect wires beneath terminal screws on base using appropriate wiring schematic (see fig 4 through 6 and fig 1).

3. Place base over hole in wall and mark mounting hole locations on wall using base as a template.

4. Move base out of the way. Drill mounting holes.

5. Fasten base loosely to wall, as shown in figs2 and figs3 . using four mounting screws.

6. Push excess wire into wall and plug hole with a fireresistant material (such as fiberglass insulation) to prevent drafts from affecting thermostat operation.

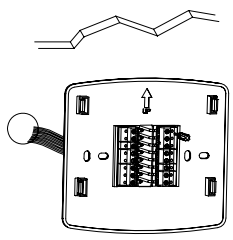


Figure 1. Wiring Diagrams

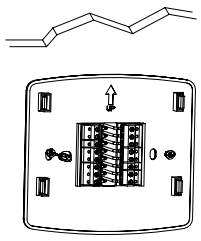


Figure 2.Mounting Wallplate

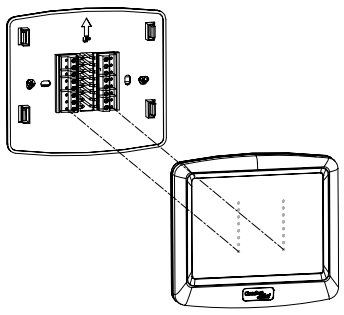


Figure 3. Mount thermostat to wallplate

Wiring Diagrams

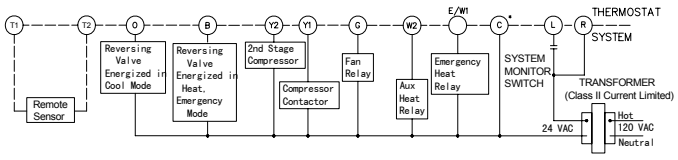


Figure 4. Typical wiring diagram for single transformer heat pump systems

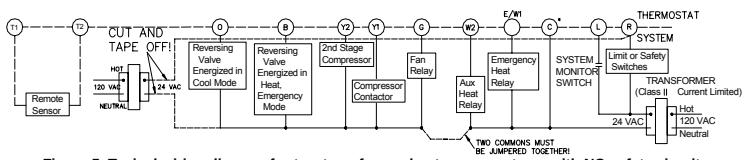


Figure 5. Typical wiring diagram for two transformer heat pump systems with NO safety circuits

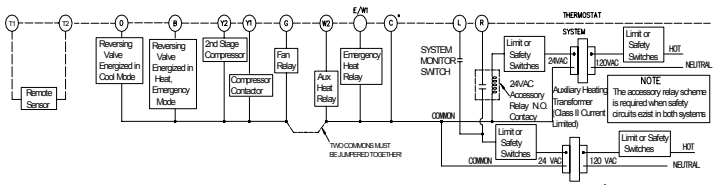


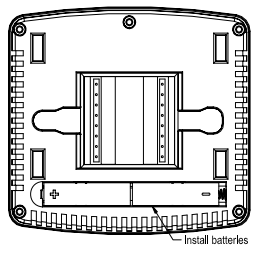
Figure 6. Typical wiring diagram for two transformer heat pump systems with safety circuits in BOTH systems

Install AAA batteries

• The thermostat requires 2 AAA batteries to operate .

• Install 2 AAA alkaline batteries according to the polarity noted in the compartment. LCD segments will go on.

NOTE: Replace the batteries when this LOW battery indicator appears on the display or once a year.



Heat Pump Terminal Outputs

Refer to equipment manufacturers' instructions for specific system wiring information. You can configure the thermostat for use with the following heat pump system types: Single stage compressor system; multiple stage compressor system; gas or electric backup. This thermostat is designed to operate a single-transformer system. If you have a two-transformer system, cut and tape off one transformer. If transformer safety circuits are in only one of the systems, remove the transformer of the system with NO safety circuits. If required, replace remaining transformer with a 75VA Class II transformer. After disconnecting one transformer, the two commons must be connected together.

Use the terminal output information below to help you wire the thermostat properly for your heat pump system. After wiring, see CONFIGURATION section for proper thermostat configuration.

THERMOSTAT TERMINALS (HEAT PUMP)		
SYSTEM	Heat Pump 1	Heat Pump 2
C*	24 Volt(Common)	
R	24 Volt Emergency (hot)	
E/W1	Emergency Mode 1st stage	
W2	HP 1 and Emergency 2nd stage	
Y1	Heat and Cool mode 1st stage (compressor)	
Y2	No output	2nd stage compressor
G	Blower/Fan Energized on call for Heat and Cool Set HE/HG in the FILT of the system menu	
O	Energized in Cool Mode	
B	Energized in Heat Emergency mode	
L	Malfunction	

System mode operation

The System mode of the thermostat determines the Operating mode of the thermostat. You may select COOL, OFF, HEAT, AUTO,EMER. In order to take full advantage of this thermostat’s feature, we recommend using the AUTO mode. Refer to the Auto Season Changeover information on Auto Season Changeover.

NOTE: Anytime you install or remove the thermostat form the wallplate, change the System Mode to the OFF to prevent the possibility of a rapid system On-Off.

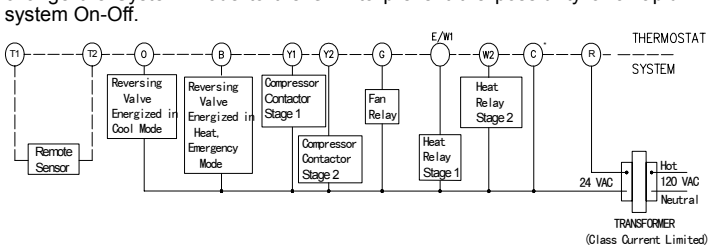


Figure 7. Typical wiring diagram for single transformer multi-stage systems

Fan operation

The Fan mode should normally be chosen in the AUTO position. The Fan will be turned on along with normal operation of your system. In a normal gas or oil furnace, the Fan will not be open with the equipment. For electric heat, air conditioning, and heat pump operation, the Fan will turn on with the system. To run the Fan on continuously, change the Fan ON . Change the Fan Circ ,Fan runs randomly for approximately 35% of schedule period when there is no call for cooling or heating (programmable for all schedule periods).

Heating System(SPAN=2,SP2=2)

1. Press SYSTEM key to select the HEAT mode until HEAT shows on the LCD display.

2. Press to adjust thermostat setting to 2℉(1°C） above room temperature. The heating system should begin to operate. The display should show “Heat On”. However, if the “wait heat” is displaying and flashing, the compressor lockout feature is operating .

3. Adjust temperature setting to 4℉（2°C） above room temperature. If your system configuration is set to “HP1” or “HP2”, the auxiliary heat system should begin to operate and the display should show “AUX Heat On”.

4. When the room temperature above the thermostat setting, The heating system should stop operating.

Emergency System

EMER bypasses the Heat Pump to use the heat source wired to terminal E/W1 on the thermostat. EMER is typically used when compressor operation is not desired, or you prefer back-up heat only.

1. Press SYSTEM key to select the EMER mode. ,the “EMER” will show on the display.

2. Press to adjust thermostat setting to 2˚F(or 1℃) (SPAN) above room temperature. The Aux. heating system will begin to operate. The display will show “Heat on”.

3. Adjust temperature setting to 4˚F(or 2℃) (SPAN+SP2) above room temperature. The auxiliary heat system should begin to operate and the display should show “Aux Heat on”.

4. Press to adjust the thermostat below room temperature. The heating system should stop operating.

Cooling System(SPAN=2,SP2=2)

1. Press SYSTEM key to select the Cool mode.

2. Press to adjust thermostat setting below room temperature. The blower should come on immediately, followed by cold air circulation. The display should show “Cool On”.

3. Adjust temperature setting to 4℉（2°C） below room temperature. The second stage cooling should begin to operate.

4. When the room temperature below the thermostat setting. The cooling system should stop operating.

Auto System

When the System Selector is in AUTO position , the thermostat will automatically change between Heating and Cooling systems, depending on your setpoint. We recommend keeping your programmed heating and cooling temperature at least 2˚F (1˚C) apart to allow the Auto Season Changeover to occur when the appropriate temperature span has been reached. However, if your heating and cooling programs set temperatures are close, there is a built-in program to prevent the thermostat is in Temporary, a Designated Day Override or Permanent Override, as these overrides are energy saving settings.

For example, you may have the following temperatures programmed at a given time: Heat Set Temp=68˚F, Cool Set Temp=78˚F

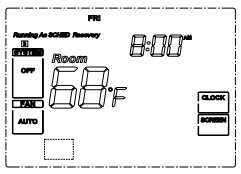
If the room temperature rises above 78˚F, then the thermostat will automatically change to cool mode and turn on the air conditioner.

Likewise, the thermostat will automatically change to heart mode and turn on heat when the room temperature falls below 68˚F.

CONFIGURATION MENU

INSTALLER/CONFIGURATION MENU				
Step	Press Button	Displayed (Factory Default)	Press up or down key to select	Comments
1	BLANK	Std2	SS1, HP1，HP2	Selects Single stage, Multi-stage, or Heat Pump (Single stage or 2-stage) System Configuration
2	BLANK	RECO(OF)	ON	Recovery function ON or OFF
3	BLANK	SPAN(2)	1,3	Span(one stage) 1-1F(0.5°C) 2-2F(1°C) 3-3F(1.5°C)
4	BLANK	BLIT(ON)	OF	Backlight
5	BLANK	SP2(2)	1,3	Span(2-stage) 1-1F(0.5°C) 2-2F(1°C) 3-3F(1.5°C)
6	BLANK	CF(F)	C	Selects temperature display ° F or °C
7	BLANK	HOUR(12)	24	Selects time format display 12hours or 24hours
8	BLANK	COHP(ON)	OF	Selects Compressor Lockout OFF or ON
9	BLANK	CANL(0)	-5~5	Adjust parameter of temperature
10	BLANK	FAN(HE)	HE、HG	Select HE or HG
11	BLANK	COOL(2)	1	Affect Y1 Y2 output
12	BLANK	FACT(0)	1	Select 1,all the setting will go back to factory default
13	BLANK	FILT(0)	1、2、3、4、5、6	filter change reminder 0- filter change reminder off 1-10 run time days 2-30 run time days 3-60 run time days 4-90 run time days 5-120 run time days 6-365 run time days
14	BLANK	UL(0)	1	0-UV lamp replacement reminder off. 1-365 calendar days.
15	BLANK	PROG(4)	0	0-nonprogrammable 4- 7 days programmable
16	BLANK	LOCK(0)	1、2	0-unlocked keypad 1-partially locked keypad 2-fully locked keypad
17	BLANK	HLIT(95F)	41-95F	41-95-temperature range (1°F increments) of heating set-point.
18	BLANK	CLIT(45F)	45-99F	45-99-temperature range (1°F increments) of cooling set-point.
19	BLANK	TEST(0)	1、2、3	test for relay 0：only B or O output 1：W1、W2、G、B or O output 2：Y1、Y2、O、G output 3：Y1、Y2、B、G output

The configuration menu allows you to set certain thermostat operating characteristics to your system or personal requirements. Set SYSTEM switch to OFF, then press the **BLANK** key in the left for 3 seconds to enter configuration menu. The display will show the first item in the configuration menu. The configuration menu table summarizes the configuration options. An explanation of each option follows .Press the blank key to change to the next menu item. To exit the menu and return to the program operation, press DONE Key.



1) The display indicates “STD2” (default for multi-stage mode) in the display. Select the system “SS1”,”HP1” or “HP2” by pressing the up or down key. In “SS1” and “STD2” configuration, EMER mode is useless.

2) Select Energy Management Recovery OFF or ON

Your thermostat is set “OF” from the factory. You can select “ON” to gradually recover the room temperature from an energy saving program to your comfort program. Therefore, the thermostat may turn your system on several minutes prior to your programmed start time.

Auto Recovery calculates how early to turn you system back on, so that the room temperature is already comfortable by the start of the comfort temperature program period. Auto Recovery work’s in both Heat and Cool modes.

3) Fast or Slow Cycle Selection (one stage).

4) Select Backlight function OFF or ON.

5) Fast or Slow Cycle Selection (2-stage).

6) Select °F or °C Readout. When you change this parameter, the programming come back to default. You have to set the programming again.

Changes the display readout to Centigrade or Fahrenheit as required.

7) Selects time format display 12hours or 24hours.

8) Select Compressor Lockout COMP OFF or ON.

Selecting COMP ON will cause the thermostat to wait 4 minutes before turning on the compressor if the heating and cooling system loses power. It will also wait 4 minutes minimum between cooling and heating cycles. This is intended to help protect the compressor from short cycling. Some newer compressors already have a time delay built in and do not require this feature. Your compressor manufacturer can tell you if the lockout feature is already present in their system. When the thermostat compressor time delay occurs it will flash the set point for about four minutes.

9) You can adjust the parameter to calibrate the temperature.

10) This thermostat is configured from the factory to operate an electric heat or heat-pump system that requires the thermostat to turn on the fan on a call for heat. If you system is a heat/cool, fossil fuel (gas, oil, etc.), forced air system, select the HG. The HE/HG must be set to match the type of Auxiliary heat your system uses for proper operation in the EMERGENCY mode. When FAN is set to HE, the type of Auxiliary heat is an electric furnace, When FAN is set to HG, the type of Auxiliary heat is a gas furnace or an oil burner.

11) This model must select 2

12) This model select 1 to back factory default.

13) Filter Change Reminder.

14) UV Lamp Change Reminder

15) Select nonprogrammable or programmable

16) Unlocked all functions are available. Partially locked only Temperature up and down keys and ability to enter and modify Installer Setup mode are available. Fully locked only ability to enter and modify-Installer Setup mode are available.

17) Max temperature range of heating set-point

18) Min temperature range of cooling set-point

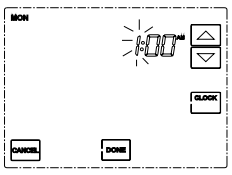
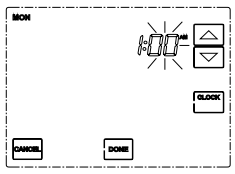
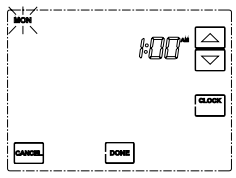
19) Test for relay

Setting Time And Day

Remove the mylar label covering the LCD display window before operating thermostat.

■ Initial display after power-up. The temperature will update after a few seconds.

■ During time and day setting mode , the temperature will disappear.

Press		Display Reads
Step 1 CLOCK	■Press CLOCK key. The current hour and AM or PM indicator are flashing. ■Press up and down keys until right hour appears on display. Note AM/PM	
Step 2 CLOCK	■Press CLOCK key again. The current minute are flashing. ■Press up and down keys until right minute appears on display.	
Step 3 CLOCK	■Press CLOCK key. The current week are flashing. ■Press up and down keys until right week appears on display.	
Step 4 DONE	■Press DONE key. The display will back to normal.	

Programming

The following time and temperature settings are pre-programmed into the thermostat:

		Temperature in ˚F (˚C)	
Program Number	Time	Heat	Cool
1	6:00 am	68˚F(20˚C)	78˚F(26˚C)
2	8:00 am	60˚F(16˚C)	85˚F(29˚C)
3	4:00 pm	68˚F(20˚C)	78˚F(26˚C)
4	10:00 pm	60˚F(16˚C)	82˚F(28˚C)

•All 7 days of the week have the same default programs.

Manual Programming

■ Your thermostat can be programmed for weekdays and weekends, or have unique programs for all 7 days. Use Weekday /Weekend Programs or 7-day Programming to enter or revise programs to match your Personal Program Schedule. The same steps are used when entering programs for the first time.

■ Familiarize yourself with Manual Programming, so that you can easily modify your programs as your comfort needs change. The example below demonstrates the Manual Programming method.

NOTE:

1，The program time can be set in 10-minute increments, and remains the same for both Heat and Cool programs.

2，The program temperature can be set in increments of 1˚F (1˚C).

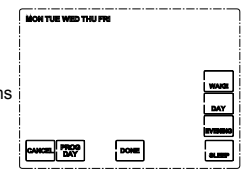
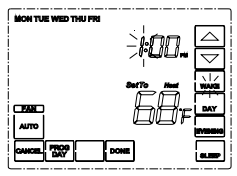
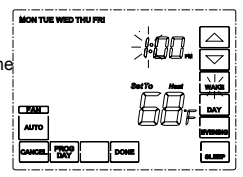
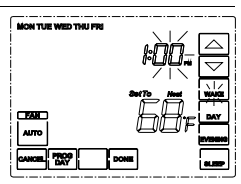
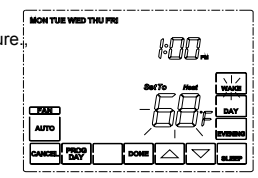
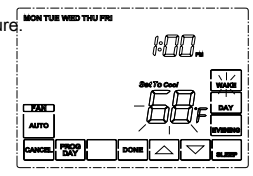
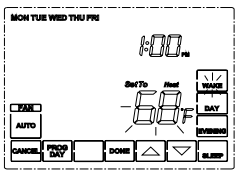
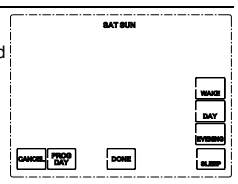
3，The Heat setpoint can not be set higher than the Cool set point, and the Cool set point can not be set lower than the Heat set point.

4，When setting the program time, note the AM/PM indicator.

5，With the Auto Recovery feature enabled, you do not need to set your comfort program times early. Auto Recovery will determine how early Recovery will determine how early to turn your system on, so that the room is comfortable at the program time.

Weekday/Weekend Programming

Weekday Programs

Press		Display Reads
Step 1 SCHED / PROG DAY	■Press SCHED key Enter into the Programming mode ■ Press PROGDAY key Selects days Mon to Fir for same set of 4 programs each day. ■Mon to Fir is displayed.	
Step 2 WAKE	■Press WAKE key Normal display of time, temperature,and day of the week	
Step 3 ▲ ▼	■ Program indicator(1) is displayed. ■The Program hour are flashing. ■Press UP or DOWN key to change the hour. Note AM/PM	
Step 4 ▲ ▼	■Press BLANK key again to change to the minute position. The period minute will be flashing. ■ Press UP or DOWN key to change the minute	
Step 5 ▲ ▼	■Press BLANK key again to change to the program HEAT set temperature, the period program will be flashing. ■Press UP or DOWN key to change the temperature. ■ Note HEAT/COOL	
Step 6 ▲ ▼	■Press BLANK key again to change to the program COOL set temperature. The period program will be flashing. ■Press UP or DOWN key to change the temperature. ■ Note HEAT/COOL	
Step 7 FAN / AUTO	■ Press FAN key to change the FAN mode Weekday program 1 is complete.	
Step 7 ■ Press DAY or EVENING or SLEEP to move to program 2 or 3 or 4 and follow the same steps.		
PROG DAY	■Selects weekend days Sat, Sun for same set of 4 programs each weekend day. ■ Follow steps 2-7 to enter programs.	

NOTE: Another approach to programming is to first program all weekdays Mon through Fir and Sat and Sun as same programs. Then, display and change the programs of only those days which will have different programs.

Temporary Manual Override

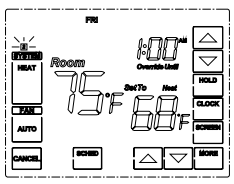
To temporarily change the current set temperature without affecting your program:

▲ ▼ ■Press **Up** or **Down** key for less than 1 second to check Setpoint..

■Press **Up** or **Down** to change to your desired New temperature.

■Press **Up** or **Down** to change to your desired reaching time

■The current program number will flash to signify the Temporary Override. At the next program change, the Temporary Override is canceled, and the next program temperature becomes the set point temperature To end the Temporary Manual Override:



How to exit the temporarily mode ？

HOLD ■Press **HOLD** key and wait for **Permanent Override** to display on the lcd.

CANCEL ■Press **CANCEL**key,This will return the set temperature to the current program set temperature.

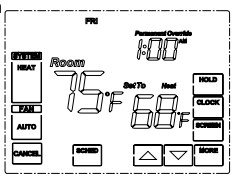
Permanent Override or a Designated Day Override

To hold your Manual Override for vacation or Until a Designated Day.

HOLD ■ Press **HOLD** key to make the current program temperature the HOLD temperature.

Permanent Override will be displayed on the LCD, and the Program number will disappear.

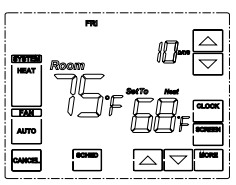
▲ ▼ ■ Follow the Temporary Manual Override Instructions above to change the Permanent Manual Override temperature.



HOLD ■Press **HOLD** key again. Hold day will be displayed on the LCD and the clock will disappear

▲ ▼ ■Press **up** key to increase override days.

■Follow the Permanent Override instructions above to change the a Designated Day Manual Override temperature.



To end Override:

Under Permanent Override Press **CANCEL** key . Under a Designated Day Override press **CANCEL** key. The thermostat will return to the current program..

Clean Thermostat Screen

The thermostat has a touch screen interaction. Follow these steps to clean the screen without making thermostat parameter changes:

1. Press the SCREEN key. Thermostat locks out all touch keys for 30 seconds to allow for cleaning.

2. Use damp cloth slightly moistened with water or house- hold glass cleaner to clean the screen.

3. Repeat the above steps, as necessary.

IMPORTANT

Do not spray any type of liquid directly on the thermostat itself. If using household glass cleaner, spray cleaner on cloth. Then use a cloth to clean the thermostat screen.

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

Screen Lockes

1.Partially Locked Screen

When partially locked, the screen indicates Screen Locked for 2 to 4 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.

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 on screen.

To cancel temperature override and begin following schedule, press **CANCEL** key.

To unlock screen, see CONFIGURATION MENU

2.Fully Locked Screen

In this mode, all keys are locked and not functional. To unlock screen, see CONFIGURATION MENU.

Filter Change Reminder

The filter change reminder must be turned on from the Installer Setup. Once expired, the screen flashes CHANGE FILTER. Press the **MORE** key three seconds to reset the change reminder.

NOTE: The days are counted as fan run time, so anytime the fan is running, the reminder is counting that time against the number of days selected.

The remaining run time days can be viewed by pressing the **MORE** key; the remaining days can be edited by using the **MORE** key. To view or reset the reminder by following steps before it expires:

1. Press the **MORE** key until the filter reminder appears on the screen. This is the number of fan run-time days remaining on the filter reminder.
2. Use the **Up** or **Down** keys to change the number of run-time days.
3. Press the **DONE** key to go back to the viewing screen.

UV Lamp Reminder

The UV Lamp change reminder must be turned on from the Installer Setup. Once expired, the screen flashes, CHANGE UV Lamp appear. Press the **MORE** key three seconds to reset the change reminder.

1. Press the **MORE** key until the UV Lamp change reminder appears on the screen. This is the number of calendar days remaining on the UV Lamp reminder.
2 Use the **Up** or **Down** keys to change the number of calendar days.
3. Press the **DONE** key to return to the Home Screen.

Auto Recovery

Auto Recovery calculates how early to turn your system back on, so that the room temperature is already comfortable by the start of the comfort temperature program period. Auto Recovery work’s in both Heat and Cool modes.

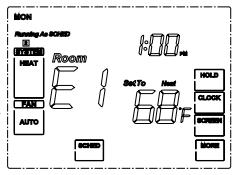
■The “Recovery” will be displayed when the thermostat is in Auto Recovery mode, and the program indicator will flash.

■ Auto Recovery can be disabled by menu setting.

■ Auto Recovery will not operate if Permanent hold or Temporary hold is in operation.

■ Auto Recovery can be canceled manually if HOLD key is pressed during the recovery process.

Error Mode

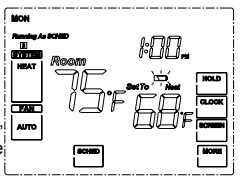


If the thermostat is unable to control your system due to an unexpected battery problem, thethermostat will enter Error Mode. In this condition, the thermostat flashes “E1”, “E2” or”E5”on the LCD display, and shuts off your system. To correct this problem, replace the battery with two new AAA alkaline battery, even if you have recently replaced them. Move the battery out, and then hold any key to release the rest energy. Then place the battery again. You will need to reprogram your thermostat and confirm normal operation.

If Error Mode returns, please call us for further information.

LCD display	information	LCD	information
E1	Sensor Error	E2	E2 memory Error
E5	System monitor switch Error		

Low Battery Warning



Your thermostat has a lower battery warning system. When the batteries are first detected to be weak, the low battery warning is indicated by battery symbol flashing on the LCD display. At your earliest convenience, you need to replace the batteries with 2 new AAA alkaline batteries.

Remote Sensor

The internal sensor will be disable when terminal connect with remote sensor. The internal sensor is default if there's no remote sensor connect with terminals.

Auto Cut Off

Your thermostat will automatically cut off in Heat mode if the room temperature rises above 95˚F (35˚C). It will cutoff in Cool mode if the room temperature drops below 45˚F (7˚C).

Note that if your system has malfunctioned and no longer responds to thermostat controls, the Auto Cut-Off function will have no effect.

TROUBLESHOOTING

Problem	Solution
SCRAMBLED OR DOUBLE DISPLAY (numbers over numbers)	1. Remove clear mylar sticker.
NO DISPLAY	1. Check batteries connections and battery. 2. Move the battery out, and then hold any key to release the rest energy. Then place the battery again. 3. Replace Batteries.
ENTIRE DISPLAY DIMS	1.Replace Batteries
PROGRAM DOES NOT CHANGE AT YOUR DESIRE SETTING	1. Check that the time is set properly to “AM” or “PM”. 2. Check that the thermostat is not in “HOLD” mode. 3. Check for the correct day settings.
AUTO/FAN DOES NOT TURN ON	1. select HG/HE in the SYSTEM MENU . 2. The thermostat may be in the AUTO Mode. Look for” AUTO” on the LCD display. If the Heat and Cool program temperature are close, then the thermostat requires a larger room temperature change before changing from Heat or Cool. 3. There may be as much as 4 minute delay before the Heat or Cool system turns On-wait and check. (Compressor protection delay). 4. Replace batteries.
ERRATIC DISPLAY	1. Move the battery out, and then hold any key to release the rest energy. Then place the battery again. 2. Replace Batteries
THERMOSTAT PERMANENTLY READS “E1”,”E2”	1. Replace unit.

If you experience any other problems, call us for technical assistance.