

Introduction	:
CONGRATULATIONS!	
Your new Climate Technology electronic thermostat will provide years of reliable service. By saving energy, your thermostat will	Please read this manual for complete instructions on installing and operating your thermostat.
pay for itself during its first season of use. Thank you for buying a Climate Technology product!	If you require further assistance, call Climate Technology Techni- cal Support at 800-676-7861 from 8 AM to 5 PM Central Time.
Model Information:	
Model Number 43558	
Serial Number	
Date Purchased	
Where Purchased	

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Read This Before Installing Thermostat

IMPORTANT

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

INSTALLATION

2 All installation is normally performed at your thermostat.

ARMCHAIR PROGRAMMING

3 You can program your thermostat before installation by inserting the batteries and following the instructions starting on page 18. This can be done while you relax in your favorite chair and is a very good way to familiarize yourself with all the functions of your Climate Technology Thermostat.

SYSTEM COMPATIBILITY

4 Your Thermostat is designed to operate these 24-Volt systems:

Multi-stage heat pumps with auxiliary heat

Multi-stage systems (2 stage heat, 2 stage cool)

This thermostat will not control 120/240 Volt systems or millivolt systems.

COMPRESSOR PROTECTION

5 The thermostat provides a 3.5 minute delay after shutting off the heating or cooling system before it can be restarted. This feature will prevent damage to your compressor caused by rapid cycling.

6

TEMPERATURE RANGE

AUTO RECOVERY

7 Your thermostat is set from the factory 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 time. This operation is normal, but can be turned off. Refer to the Options Menu information on pages 18-21.

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OPERATION

B This system operates on your system's 24 Volt power supply. The supply is monitored by the thermostat, and it will stop functioning if AC power is lost. (When using backup batteries, "No AC Pwr" will be displayed.) All system controls will remain off until power is restored.

NOTE: The INDIGLO® Night-Light will not function when AC power is lost.

NOTE: Any remote temperature sensors (if used on your system) will not operate when AC power is lost.

BATTERY WARNING

9 Batteries may be used optionally to prevent the loss of your thermostat's clock, programs and options due to a power outage. However, when the batteries become drained, a low battery warning will appear on the display. When this message occurs, install 2 new AAA batteries. You have approximately 30 seconds when changing the batteries to keep thermostat's clock and program settings.

NOTE: The default system selection at power-on is HEAT. Batteries are recommended to prevent an undesired system change due to a power outage.







Selector Switches (continued)

Heating system selector (HG - HE switch) The factory position for this switch is in the "HG" position. Leave it in this position if you have a gas furnace or an oil burner. If you have an electric furnace, test to see whether the Heat and Fan come on as expected.

If Fan operation is normal, leave the switch in the "HG" position. If the Fan does not come on within a minute of the thermostat calling for Heat, change the switch position to "HE." This selector has no effect in the cooling mode.

NOTE: "HG" position is for gas and most other systems. "HE" position is for certain electric systems having a fan relay.

NOTE: This option is ignored when heat pump (HP) system is selected.

Low Battery Warning Selector

This Climate Technology thermostat operates on your system's 24V AC supply. Two AAA batteries may be installed to provide clock operation and program retention during power outages. The factory position for this switch has the Low Battery Warning Enabled. If the thermostat is to be used without batteries,

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the switch can be moved to Disable. In this position, the Low Battery Warning will not be displayed.

Climate Technology recommends that the Low Battery Warning be activated by sliding the switch to Enable, especially on residential systems.





Wire Labeling

- Each wire coming from the wall to the existing thermostat is connected to a terminal point on that thermostat. Each of these terminal points is usually marked with a code letter as shown in Table A below and on the next page.
- The number of wires in your system can be as few as four (for single-stage systems), as many as eight, or any number in between. If you follow the labeling procedures correctly, you do not have to be concerned about how many wires there are.
- IMPORTANT! BEFORE DISCONNECTING ANY WIRES, APPLY THE SELF-ADHESIVE LABELS PROVIDED TO THE WIRE AS
- SHOWN IN TABLE A and B ON PAGES 13-15. (For example, attach the label marked W to the wire that goes to the W or H

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- terminal on your existing thermostat.) IGNORE THE COLOR OF THE WIRES since these do not always comply with the standard. After labeling wires, disconnect them from the existing ther-
- mostat terminals.

 Remove existing wallplate. To make sure wires do not fall back
- into wall opening, you may want to tape them to the wall.
- If hole in wall is larger than necessary for wires, seal this hole so that no hot or cold air can enter the back of the thermostat from the wall. This air could cause a false thermostat reading.

TABLE A – TERMINAL DESCRIPTIONS

TERMINAL LABELS	FUNCTION (HEAT PUMP MODE)	FUNCTION (MULTI-STAGE MODE)	СОММЕНТЯ
R	24VAC supply	24VAC supply	Hot wire of 24VAC transformer. Powers the thermostat & system.
Y1	Compressor stage 1	Cooling stage 1	Activates the 1st stage compressor. (Heat or Cool for Heat Pumps)
Y2	Compressor stage 2	Cooling stage 2	Activates the 2nd stage compressor.
W1	DO NOT CONNECT	Heating stage 1	Activates the 1st stage of heating for Multi-stage systems ONLY.
W2	Auxiliary heating	Heating stage 2	Activates when auxillary heating is required on heat pump systems. Activates the 2nd stage of heating for Multi-stage systems.
			(continue

	INSTAL					
	TABLE A – TERMINAL DESCRIPTIONS (continued)					
	TERMINAL LABELS	FUNCTION (HEAT PUMP MODE)	FUNCTION (MULTI-STAGE MODE)	СОММЕНТЯ		
	E	Emergency heating	DO NOT CONNECT	Activates Emergency heating ONLY when the System Switch is in Emergency (em) Mode. (Ignored on Multi-stage systems)		
	0	Reversing valve (cooling mode)	Cooling damper	Activates reversing valve or damper in COOL mode. ALWAYS ON in COOL MODE.		
	В	Reversing valve (heating mode)	Heating damper	Activates reversing valve or damper in HEAT mode. ALWAYS ON in HEAT MODE.		
	G	Fan	Fan	Activates the system Fan. (Can be Auto, On, or Program controlled)		
	L	System monitor	System monitor	Activates System Check LED on the front of thermostat. (Controlled by the system, not the thermostat.)		
	C	24VAC common	24VAC common	Common wire of 24VAC transformer. REQUIRED for thermostat operation.		
ΑL	RS1+	Remote temperature sensor 1	Remote temperature sensor 1	Positive (+) Terminal for Remote Sensor #1. Polarity MUST be maintained.		
Z	RS1-	Remote sensor 1 (common)	Remote sensor 1 (common)	Negative (-) Terminal for Remote Sensor #1. Polarity MUST be maintained.		
PTI(RS2+	Remote temperature sensor 2	Remote temperature sensor 2	Positive (+) Terminal for Remote Sensor #2. Polarity MUST be maintained.		
J	RS2-	Remote sensor 2 (common)	Remote sensor 2 (common)	Negative (-) Terminal for Remote Sensor #2, Polarity MUST be maintained.		

			HEAT PUMP	TABLI CROSS-R	E B REFERENC	E CHART			1!
			EXAM	APLES OF DIF	FERENT SYS	TEM TERMINALS			
CLIMATE TECHNOLOGY TERMINALS	CARRIER	COLEMAN	COMFORTMAKER	BRYANT, Payne	RHEEM- RUUD	TRANE, WEATHERTRON	YORK	LENNOX (1)	LENNOX (2)
R	R	R	R	R	R	R	R	R	V-VR
Y1	Y or Y1	Y	Y	Y	Y	Y	Y	Y	М
W2	W2	W2	W1	W2	W2	W	W	W1	Y
E	E	E	jumper to W2	E	E	X2	jumper to W2	E	E
0	0		0	0		0	0	0	R
В		В			В				
G	G	G	G	G	G	G	G	G	F
L	L or F	L	L or X	L	L		Х	L	
С	С	Х	C, X, X1	C, C1, X1	Х	В	В	C	Х
		Note: W2 wires no connection				Note: T wire no connection			

NOTE: If your heat pump thermostat does not have an E wire, use the provided jumper wire to connect the E terminal to the W2 terminal, as shown in three examples above. Refer to the Wiring Diagrams on pages 58-59.





PROGRAMMING 18 Option Menu The set of	18	
Option Menu Your thermostat has many settings that can be adjusted to fit your system and preferences. Image: Control option	PROGRAMMING	18
Your thermostat has many settings that can be adjusted to fit your system and preferences. option Press to enter the Option Menu and to change to the next option selection. ret-clear Press at any time to return to normal mode. Local temperature sensor weighting option 1 Option or or to change weighting between FULL, HALF or OFF. Local temperature sensor 1 weighting to change weighting between FULL, HALF or OFF. Remote temperature sensor 1 weighting option Option	Option Menu	
option Press to enter the Option Menu and to change to the next option selection. ret-clear Press at any time to return to normal mode. Local temperature sensor weighting option 1 Option or or to change weighting between FULL, HALF or OFF. Remote temperature sensor 1 weighting to change weighting between FULL, HALF or OFE The factory default is "HALF" The current temperature measure. Reamote-1 The part of the current temperature measure. 	Your thermostat has many settings that can be adjusted to fit your sy	stem and preferences.
ret-clear Press at any time to return to normal mode. Local temperature sensor weighting Image: Control of the control of	option Press to enter the Option Menu and to o	change to the next option selection.
Local temperature sensor weighting option 1 HALF or OFF. Remote temperature sensor 1 weighting option 2	ret-clear Press at any time to return to normal me	ode.
Remote temperature sensor 1 weighting option 2 ■ OFF The factory default is "HALE" The current temperature measure-	Local temperature sensor weighting option 1 HALF or OFF. to change weighting	hting between FULL,
option 2 OFF The factory default is "HALF" The current temperature measure.	Remote temperature sensor 1 weighting	
ment from sensor 1 is shown. (Blank if not connected.)	option 2 Control or to change weig OFF. The factory default is "HALF." The c ment from sensor 1 is shown. (Blank if r	hting between FULL, HALF or current temperature measure- not connected.)

Remote temperature s	 Sensor 2 weighting Or OF to change weighting between FULL, HALF or OFF. The factory default is "HALF." The current temperature measurement from sensor 2 is shown. (Blank if not corrected.) 	Remote-2
NOTE: Refer to t	he Remote Sensors section on pages 51-53 for more information on s	sensor weightings.
Fahrenheit or Celsius (option 4	F°/C°) selection ■ ○ or ○ to change the thermostat display between Fahrenheit and Celsius.	Temp J F C
12 Hr or 24 Hr. Clock s	election • Or Or Or to change the time format display between 12 hour (AM / PM) and 24 hour (military).	Clock Clock (continued)

PROGRAMM		
Option Menu (co	ntinued)	
Stage 1 SPAN selection option 6	■ Or Stating 1 will cause shorter cycle times. Setting 3 will cause larger cycle times.	Span Stg1
Stage 2 SPAN selection		
(option) 7	The factory setting is 2. Lower settings will cause the 2nd stage to turn on sooner. Higher settings will cause the 2nd stage to turn on later.	
NOTE: Refer to th	e SPAN section on page 48 for more information on SPAN settings.	
Auto Season Changeov	er Deadband selection	Recoveru
option 8	to change the deadband between 3, 4, 5 or 6°F, The factory setting is 5. (°C are about 1/2°F)	-System

,	n	
option 9	Content of the enable "YES" or disable "NO" the Auto Recovery Mode. The factory setting is "YES."	
system	To change between Heat or Cool recovery modes.	System
NOTE: Auto Reco pages 49-50 for i	very is one of the ENERGY STAR [®] features of this thermostat. Refer to nore information.	the Auto Recovery section
D Contrast adjustme	nt	
option 10	to change the LCD contrast between 0 and 9. Lower numbers lighten the display. Higher numbers darken the display. The factory setting is 5.	LCD JSC







The following sections describe how to change these programs.

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Personal Program Schedule

Before changing programs, use this Personal Program Schedule to determine which times and temperature settings will best satisfy both your comfort and energy saving requirements.

Heating

Day	Prog. 1	Prog. 2	Prog. 3	Prog. 4
Mon.	Time	Time	Time	Time
	Temp	Temp	Temp	Temp
Tues.	Time	Time	Time	Time
	Temp	Temp	Temp	Temp
Wed.	Time	Time	Time	Time
	Temp	Temp	Temp	Temp
Thurs.	Time	Time	Time	Time
	Temp	Temp	Temp	Temp
Fri.	Time	Time	Time	Time
	Temp	Temp	Temp	Temp
Sat.	Time	Time	Time	Time
	Temp	Temp	Temp	Temp
Sun.	Time	Time	Time	Time
	Temp	Temp	Temp	Temp

Use a pencil so you can revise your records each time you change your temperature settings.

Cooling

Day	Prog. 1	Prog. 2	Prog. 3	Prog. 4
Mon.	Time	Time	Time	Time
	Temp	Temp	Temp	Temp
Tues.	Time	Time	Time	Time
	Temp	Temp	Temp	Temp
Wed.	Time	Time	Time	Time
	Temp	Temp	Temp	Temp
Thurs.	Time	Time	Time	Time
	Temp	Temp	Temp	Temp
Fri.	Time	Time	Time	Time
	Temp	Temp	Temp	Temp
Sat.	Time	Time	Time	Time
	Temp	Temp	Temp	Temp
Sun.	Time	Time	Time	Time
	Temp	Temp	Temp	Temp



Step 1		Slide Power Switch to ON.	Thursday 2
	on off em	 Press to select HEAT or COOL to program the corresponding system. (AUTO may be selected, but does not affect the programming steps.) 	
NOTE: If be prog	the power swit rammed.	ch is in the OFF position, the last system selected will	(System HEAT) (Pan RUTO)
Step 2	program	Press to enter program mode. Weekdays are displayed and program 1 is flashing.	Weekdays (<u>1234</u>
Step 3		The Program hour and AM or PM indicator are flashing. Press to change the hour.	AM SECO BB (Synthem HERT) (Far RUTO)
Step 4	program	Press again to change to the minute position. The current minute will be flashing	Weekdays 👔 3 4
		 Press to change the minute. 	

















OPERATION	12 11 10	36
Power Switch		
The Power switch on the fr You may select ON, OFF or tively disconnected from th	ront of the thermostat determines the operating mode of the thermostat. Emergency Heat (EM). When the Power Switch is OFF, all outputs are posi- ne system.	on off em
NOTE: Anytime you insta	all or remove the thermostat from the wallplate, slide the Power ion to provent the possibility of a rapid custom On Off	
Switch to the OFF positi	on to prevent the possibility of a rapid system on-on.	
Switch to the OFF positi NOTE: When Emergency activate both stages of i	Heat (em) is selected on a multi-stage system on-on. heat (W1 and W2). Thus, the heat control becomes single-stage.	
NOTE: When Emergency activate both stages of System Selection	Heat (em) is selected on a multi-stage system on-on. Heat (em) is selected on a multi-stage system, the thermostat will heat (W1 and W2). Thus, the heat control becomes single-stage.	
NOTE: When Emergency activate both stages of System Selection	Heat (em) is selected on a multi-stage system on-on. Heat (em) is selected on a multi-stage system, the thermostat will heat (W1 and W2). Thus, the heat control becomes single-stage. Key Press to select the desired system.	(System HERT)
NOTE: When Emergency activate both stages of System Selection	Heat (em) is selected on a multi-stage system on-on. Heat (em) is selected on a multi-stage system, the thermostat will heat (W1 and W2). Thus, the heat control becomes single-stage. Key Press to select the desired system. When Auto is selected, the system will change between Heat and Cool automatically. Refer to the Auto Season Changeover section on page 43.	System HEAT System HEAT
Switch to the OFF positi NOTE: When Emergency activate both stages of System Selection	 Wheat (em) is selected on a multi-stage system on-on. Heat (em) is selected on a multi-stage system, the thermostat will heat (W1 and W2). Thus, the heat control becomes single-stage. Key Press to select the desired system. When Auto is selected, the system will change between Heat and Cool automatically. Refer to the Auto Season Changeover section on page 43. NOTE: The default system selection at power-on or after a reset is HEAT. Therefore it is recommended that 2 AAA batteries be used for backup during power outages. 	System HEAT System HEAT System DATE System DDL

rankey		37
fan	Press to set the fan operation.	
	AUTO: the fan will turn on with the system. On a multi-stage fan is controlled by the system when the Heating system sele been set to HG.	ector has
	ON: the fan will run continuously.	- 5-0
	PGM Auto or ON: (Programmable Fan) The fan will select AU depending on the setting in the programs. Refer to the Progr section on page 33.	TO or ON, PGM. AUTO am Option
	NOTE: The fan must be set to "PGM" for the fan's prog tings to take effect.	yram set-
System Indicato	or Light	
When the thermostat a	tivates your system, LED lights are turned on just below the LCD d:	lisplay.
	$\stackrel{\checkmark}{\underset{\text{red}}{\longrightarrow}}$ $\stackrel{1 \cdot \text{em}}{\underset{\text{group or red}}{\longrightarrow}}$ $\stackrel{2}{\underset{\text{yellow}}{\longrightarrow}}$	
,	green or reu	

_					
Syster	n Indicato	or Light (<i>conti</i>	nued)		
	1.em	Stage 1 Light	This LED will turn o When in Emergency emergency heat is a	n in GREEN when the first stage of heat or cool is activated. y Heat mode, this LED will turn on in RED when the first stage o activated.	of
	\bigcirc^2	Stage 2 Light	This LED will turn O cool is activated.	N in YELLOW when the second stage of heat, emergency heat	or
Emera	The Stage porarily. I	e 1/Emergency and For example, during	Stage 2 LED's will fla: a compressor delay.	sh On/Off when the corresponding stage is being held off	tem-
	e Power Switch in the Emerge n this mode ar	h is in the "em" posit ncy Heat mode. The o nd only auxiliary heat	ion, the thermostat compressor will not t will be used.	NOTE: Emergency Heat Mode is not an energy saving ting, so use only when necessary.	set-
is placed operate in			i-stage system, both		









Auto Season Changeover

When the System Selection is in AUTO position, the thermostat will automatically change between Heating and Cooling systems, depending on your program. We recommend keeping your programmed heating and cooling temperatures at least 5° F (3° 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 from changing unnecessarily. This "Deadband" can be adjusted. Refer to the Options Menu section on pages 18-21.

Auto Season Changeover is disabled when the thermostat is in Temporary or Permanent Override, or Vacation Hold, as these overrides are energy saving settings. While in any of these modes, "AUTO" will be temporarily removed form the LCD dis-

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play. "AUTO" will return when these holds are cleared. Auto Season Changeover will still function in Home Today mode, as this is a comfort setting.

For example, you may have the following temperatures programmed at a given time:

Heat Set Temp = $68^{\circ}F$ Cool Set Temp = $78^{\circ}F$

If the room temperature rises above $78\,^{\circ}\text{F}$, then the thermostat will automatically change to cool mode and turn on the air conditioner.

Likewise, the thermostat will <u>automatically</u> change to heat mode and turn on heat when the room temperature falls below 68°F.









OPERATION 12 11 11

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SPAN Settings

STAGE 1

Your thermostat is set at the factory to cycle at 1°F (0.5°C) above and below the set temperature in Stage 1. (Span = 2.) This setting has been designed to provide a comfortable room temperature under most all conditions. However, if you find your system cycling too fast or too slow, then the Span can be adjusted to modify the cycle time. Refer to the Option Menu Stage 1 Span selection on page 20.

- Span = 1. This decreases the cycle time by causing your system to run shorter.
- Span = 3. This increases the cycle time by causing your system to run longer.

The Span settings remain the same for both HEAT and COOL.

The Span can be changed at any time and is independent of program times or temperatures.

When the thermostat is powered on or the Reset key is pressed, the Span is reset back to setting 2.

STAGE 2

The second (or auxiliary) stage turns on when the first stage does not have enough capacity to reach the desired set temperature.

The factory setting for Stage 2 Span is 2. It can be adjusted between 1 to 6; with the second stage being activated sooner at lower numbers and later at higher numbers.

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Auto Recovery

Climate Technology's Auto Recovery feature meets the ENERGY STAR® guidelines for energy efficiency by allowing the heating or cooling system to recover gradually from an energy-saving setpoint temperature to a comfort setpoint temperature. In Heat Pump mode, it also maximizes the efficiency of recovery by minimizing the use of auxiliary heat, which results in maximum savings in various weather conditions.

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 works in both Heat and Cool modes.

For example, in Heat mode, you could have the following programs:

Program #4 (Overnight)	Program #1 (Morning)
Set Temp = 60°F	Set Temp = 68°F
Time = 10PM	Time = 6AM

The room temperature fell to 60°F overnight. Rather than having the thermostat turning on at 6AM, Auto Recovery would note the temperature difference between 60°F and 68°F and turn the Heat on approximately 30 minutes early. Therefore, the room temperature at 6AM would be about 68°F instead of 60°F.

When the thermostat is in Auto Recovery mode, the display will alternate "RECOVERY" with the day, and the program indicator will flash.



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Details of Auto Recovery Operation:

- Auto Recovery can be disabled by selecting "NO" in the Option Menu. Refer to page 21.
- Auto Recovery will not operate if Permanent hold, Vacation hold Temporary hold or Home Today is in operation. It will also not operate if the thermostat resets due to AC power loss with no backup batteries.
- Auto Recovery can be canceled manually if RET CLEAR is pressed during the recovery process. If a recovery process is canceled manually then the recovery process will not start again until the next program period starts (an exception is that if time or program is changed then the thermostat will check Auto Recovery conditions immediately).

(continued)



Your thermostat has an electroluminescent lamp that backlights the display for easy viewing in the dark.	erate several keys. The backlight will decrease in brightness before shutting off.
When any key is pressed the display is illuminated.	NOTE: The backlight is powered by the 24V AC supply. It
The display will remain illuminated for 15 seconds after the last key is pressed. This allows the light to stay on if you need to op-	will not operate when there is an AC power interruption or if the thermostat is removed from the wallplate.
Remote Sensors	How to use the weights to control temperature.
2 optional remote sensors (Model 43658). Along with the sensor	To take a simple sugress of all concern set all of them to
inside the thermostat (Local), the displayed room temperature can be a weighted average of these sensors. The Option Menu on pages 18-21 shows how to change the weighting of each sensor.	FULL or HALF. (This gives the same result because the weight is the same.)
inside the thermostat (Local), the displayed room temperature can be a weighted average of these sensors. The Option Menu on pages 18-21 shows how to change the weighting of each sensor. Description of the weightings:	 To take a simple average of an sensors, set an of them to FULL or HALF. (This gives the same result because the weight is the same.) To give priority to one area over another, set the priority sensor to FULL and the other 1 or 2 sensors to HALF. (Setting 2
inside the thermostat (Local), the displayed room temperature can be a weighted average of these sensors. The Option Menu on pages 18-21 shows how to change the weighting of each sensor. Description of the weightings: FULL = The full temperature value is used in the averaging calculation	 To take a simple average of an sensors, set an of them to FULL or HALF. (This gives the same result because the weight is the same.) To give priority to one area over another, set the priority sensor to FULL and the other 1 or 2 sensors to HALF. (Setting 2 sensors to FULL and the 3rd to HALF gives even more weight to sensors 1 and 2.)
inside the thermostat (Local), the displayed room temperature can be a weighted average of these sensors. The Option Menu on pages 18-21 shows how to change the weighting of each sensor. Description of the weightings: FULL = The full temperature value is used in the averaging calculation HALF =Half of the temperature value is used in the averaging calculation	 To take a simple average of an sensors, set an of them to FULL or HALF. (This gives the same result because the weight is the same.) To give priority to one area over another, set the priority sensor to FULL and the other 1 or 2 sensors to HALF. (Setting 2 sensors to FULL and the 3rd to HALF gives even more weight to sensors 1 and 2.) To control only from the reading of a single Remote sensor, set the desired sensor to FULL, and the other Remote and Lo-







Error Mode

If the thermostat is unable to control your system due to an unexpected problem, the thermostat will enter Error Mode. In this condition, the thermostat flashes "Error" and a code number on the LCD display, and shuts off your system.

To correct this problem, replace the batteries with 2 new AAA alkaline batteries, even if you have recently replaced them. Next, use a paper clip to press the RESET button next to the keypad. You will need to reprogram your thermostat and confirm normal operation.

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Error

If Error Mode returns, please call Climate Technology Technical support at 800-676-7861 for further information.

TROUBLESHOOTING	
Problem	Solution
SCRAMBLED OR DOUBLE DISPLAY (numbers over numbers)	1. Remove clear Mylar sticker
NO DISPLAY	 Check terminal connection. A common (C) wire is required for operation. Check battery connections and batteries. Press RESET button with a small pin and hold in for two seconds.
ENTIRE DISPLAY DIMS	 Replace Batteries Adjust LCD contrast in the Option Menu.
PROGRAM DOES NOT CHANGE AT YOUR DESIRED SETTING	 Check that the time is set properly to "AM" or "PM". Check that the thermostat is not in "HOLD" or "Home Today" modes. Check for the correct day setting. Check any remote sensor readings or weights.
AUTO / FAN DOES NOT TURN ON	1. Move HG/HE selector to opposite position
FAN RUNS CONTINUOUSLY	1. Check fan setting. It may be "ON" or in Programmable Fan mode "PGMON".

Problem <i>(cont.)</i>	Solution (cont.)	
HEATING OR COOLING DOES NOT GO ON OR OFF	 Check that the system selector key is in the correct position ("HEAT," "COOL" or "AUTO"). 	
	The thermostat may be in the AUTO mode. Look for "AUTO" on the LCDdisplay. If the Heat and Cool program temperatures are close, then the thermostat re- quires a larger room temperature change before changing from Heat or Cool.	
	There may be as much as a 4 minute delay before the Heat or Cool system turns On - wait and check. (Compressor protection delay.)	
	4. Check your circuit breakers and switches to ensure there is power to the system	
	5. Replace batteries.	
	6. Make sure your furnace blower door is closed properly.	
	7. Check the position of the Heat Pump or Multi-Stage selector switch.	
ERRATIC DISPLAY	 Press the RESET button once with a small pin and hold for two seconds. The thermostat will need to be re-programmed. 	
IF UNIT CONTINUES TO OPERATE IN THE OFF POSITION	1. Replace unit.	
THERMOSTAT PERMANENTLY READS "HI," "LO," OR "Error" AFTER PRESSING RESET BUTTON	1. Replace unit.	







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