

Installation Instructions for

Heating & Air Conditioning

MODEL 775

7 Day Programmable Thermostat

CONTENTS

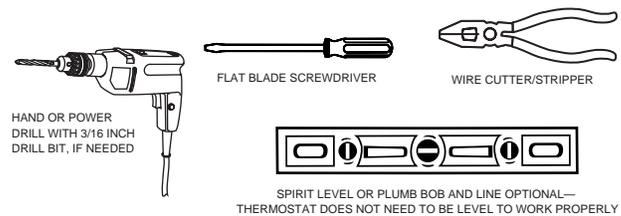
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YOUR THERMOSTAT REPLACES

Typical System Compatibility Chart	
Standard Heat Only Two Wire Gas or Oil Fired Systems (24 volt)	Yes
Electronic Ignition Heat Only Two Wire Systems (24 volt)	Yes
Electronic Ignition Heat Only Gas or Oil Fired Systems (24 volt)	Yes
Standard Heat/Cool Systems (24 volt)	Yes
Heat/Cool Systems Electric Heat (24 volt)	Yes
Heat Only Electric Heat Systems (24 volt)	Yes
Cool Only Systems (24 volt)	Yes
Heat Pump Systems (No Aux or Emergency Heat)	Yes
Hot Water Zone Heat Only (Two Wire) Systems	Yes
Hot Water Zone Heat Only (Three Wire) Systems	No
Line Voltage Heating or Baseboard 110/240 Volt Systems	No
Millivolt Systems Floor or Wall Furnaces	Yes
12 VDC Mobile Home Application	Yes
Multistage Systems	No
Systems Exceeding 30VAC, 1.5 Amp	No

1 PREPARATIONS

Assemble tools required as shown below.



Failure to follow and read all instructions carefully before installing or operating this control could cause personal injury and/or property damage

2 THERMOSTAT DETAILS

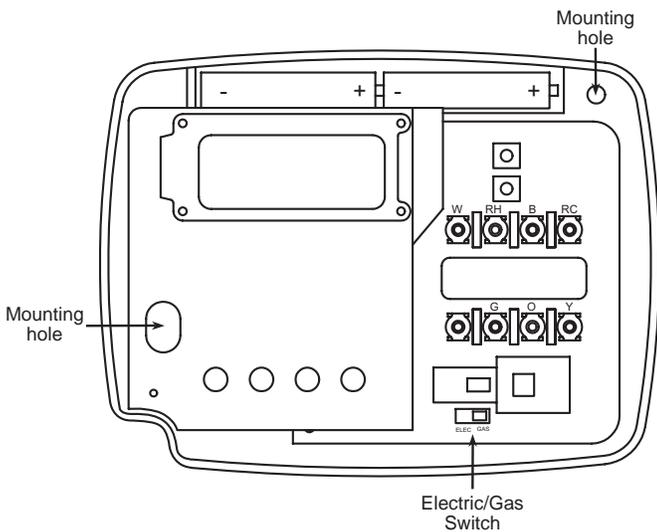


Figure 1. Thermostat base

3 REMOVING OLD THERMOSTAT

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

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

- Remove Old Thermostat:** A standard heat/cool thermostat consists of three basic parts:
 - The cover, which may be either a snap-on or hinge type.
 - The base, which is removed by loosening all captive screws.
 - The switching subbase, which is removed by unscrewing the mounting screws that hold it on the wall or adaptor plate.
- Shut off electricity at the main fuse box until installation is complete. Ensure that electrical power is disconnected.
- 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.
- Identify each wire attached to the old thermostat** using the labels enclosed with the new thermostat.
- Disconnect the wires from the old thermostat one at a time. **DO NOT LET WIRES FALL BACK INTO THE WALL.**
- Install new thermostat using the following procedures.

3 REMOVING OLD THERMOSTAT

CONTINUED FROM FIRST PAGE

ATTENTION! This product does not contain mercury. However, this product may replace a unit which contains mercury.

Do not open mercury cells. If a cell becomes damaged, do not touch any spilled mercury. Wearing non-absorbent gloves, take up the spilled mercury and place into a container which can be sealed. If a cell becomes damaged, the unit should be discarded.

Mercury must not be discarded in household trash. When the unit this product is replacing is to be discarded, place in a suitable container and return to White-Rodgers at 9797 Reavis Road, St. Louis, MO, 63123-5398 for proper disposal.

4 MOUNTING AND WIRING

⚠ WARNING

Do 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.

Thermostat installation and all components of the system shall conform to Class II circuits per the NEC code.

Electric Heat or Single-Stage Heat Pump Systems

This thermostat is configured from the factory to operate a heat/cool, fossil fuel (gas, oil, etc.), forced air system. It is configured correctly for any system that DOES NOT require the thermostat to energize the fan on a call for heat. If your system is an electric or heat-pump system that REQUIRES the thermostat to turn on the fan on a call for heat, locate the **GAS/ELECTRIC** switch (see fig. 1) and switch it to the **ELECTRIC** position. This will allow the thermostat to energize the fan immediately on a call for heat. If you are unsure if the heating/cooling system requires the thermostat to control the fan, contact a qualified heating and air conditioning service person.

Hydronic (Hot Water or Steam) Heating Systems

This thermostat is set to operate properly with a forced-air heating system. If you have a hydronic heating system (a system that heats with hot water or steam), you must set the thermostat to operate properly with your system by changing the first option in the configuration menu to SL (see Configuration Menu, page 5).

⚠ CAUTION

Take care when securing and routing wires so they do not short to adjacent terminals or rear of thermostat. Personal injury and/or property damage may occur.

TERMINAL CROSS REFERENCE CHART

New Thermostat Terminal Designation	Other Manufacturers' Terminal Designation				
RH	4	RH	M	R5	R
RC	R	R	V	-	-
G	G	G	F	G	G
W	W	W	H	4	W
Y	Y	Y	C	Y6	Y

* These are four-wire, single-transformer systems. Factory installed jumper wire between the **RH** and **RC** terminals must remain in place.

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. If necessary, move the electric heat switch (see **ELECTRIC HEAT SYSTEMS**, above).
2. Connect wires beneath terminal screws on base using appropriate wiring schematic (see figs. 2 through 7).
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 fig. 1, using two mounting screws. Place a level against bottom of base, adjust until level, and then tighten screws. (Leveling is for appearance only and will not affect thermostat operation.) If you are using existing mounting holes, or if holes drilled are too large and do not allow you to tighten base snugly, use plastic screw anchors to secure subbase.
6. Push excess wire into wall and plug hole with a fire-resistant material (such as fiberglass insulation) to prevent drafts from affecting thermostat operation.

Battery Location

This thermostat requires 2 "AAA" alkaline batteries to operate. If the word low "**LO BATT**" is displayed, the batteries are low and should be replaced with fresh "AAA" Energizer® alkaline batteries. To replace the batteries, install the batteries along the top of the base (see fig. 1). The batteries must be installed with the positive (+) ends to the right.

4 MOUNTING AND WIRING

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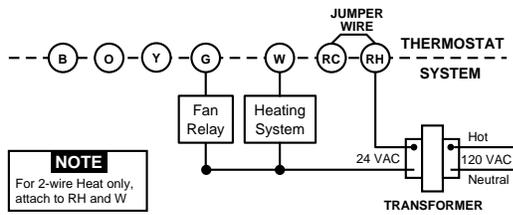


Figure 2. Typical wiring diagram for heat only, 3-wire, single transformer systems

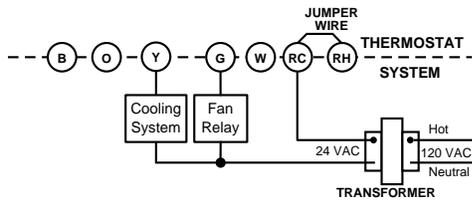


Figure 3. Typical wiring diagram for cool only, 3-wire, single transformer systems

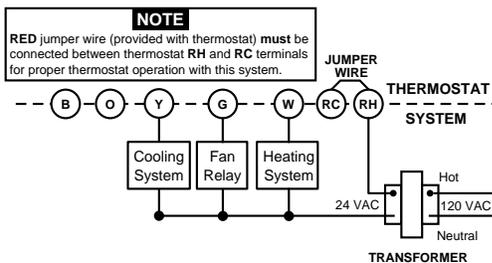


Figure 4. Typical wiring diagram for heat/cool, 4-wire, single transformer systems

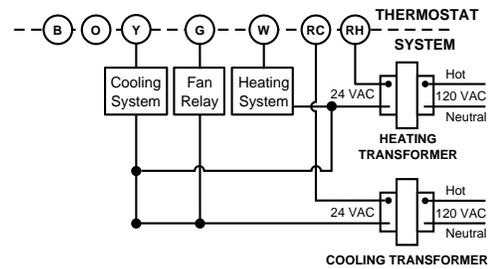


Figure 5. Typical wiring diagram for heat/cool, 5-wire, two-transformer systems

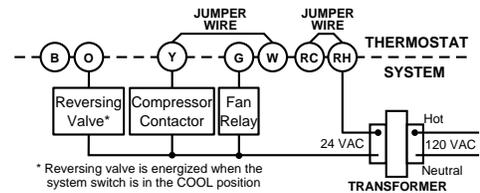


Figure 6. Typical wiring diagram for heat pump with reversing valve energized in COOL

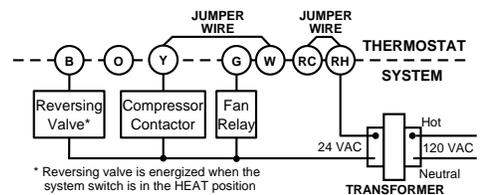


Figure 7. Typical wiring diagram for heat pump with reversing valve energized in HEAT

5 CHECK THERMOSTAT OPERATION

NOTE

To prevent static discharge problems, touch side of thermostat to release static build-up before touching any keys.

If at any time during testing your system does not operate properly, contact a qualified serviceperson.

Fan Operation

If your system **does not** have a **G** terminal connection, skip to **Heating System**.

1. Turn on power to the system.
2. Move fan switch to **ON** position. The blower should begin to operate.
3. Move fan switch to **AUTO** position. The blower should stop immediately.

Cooling System

CAUTION

To prevent compressor and/or property damage, if the outdoor temperature is below 50°F, DO NOT operate the cooling system.

This thermostat has a time delay between cooling cycles to allow the head pressure in the compressor to stabilize. If the temperature is adjusted to call for cool within 5 minutes of the last cycle the snowflake icon will blink indicating the thermostat is locked out. After 3 to 5 minutes, the compressor will start and the snowflake icon will stop flashing. This helps prevent the compressor from cycling too quickly and is normal operation for the thermostat.

1. Move SYSTEM switch to **COOL** position.
2. Press  to adjust thermostat setting below room temperature. The blower should come on immediately on high speed, followed by cold air circulation
3. Press  to adjust temperature setting above room temperature. The cooling system should stop operating.

Heating System

1. Move SYSTEM switch to **HEAT** position. If the heating system has a standing pilot, be sure to light it.
2. Press  to adjust thermostat setting above room temperature. The heating system should begin to operate.
3. Press  to adjust temperature setting below room temperature. The heating system should stop operating.

5 CHECK THERMOSTAT OPERATION

CONTINUED FROM THIRD PAGE

Before you begin programming your thermostat, you should be familiar with its features and with the display and the location and operation of the thermostat buttons. Your thermostat consists of two parts: the **thermostat cover** and the **base**. To remove the cover, gently pull it straight out from the base. To replace the cover, line up the cover with the base and press gently until the cover snaps onto the base.

The Thermostat Buttons and Switches

- ① (Up arrow) Raises temperature setting.
- ② (Down arrow) Lowers temperature setting.
- ③ TIME button.
- ④ PRGM (program) button.
- ⑤ RUN (program) button.
- ⑥ HOLD button.
- ⑦ FAN switch (ON, AUTO).
- ⑧ SYSTEM switch (COOL, OFF, HEAT).

THE DISPLAY

- ⑨ Indicates day of the week.
- ⑩  is displayed when the SYSTEM switch is in the HEAT position.  is displayed (non-flashing) when the SYSTEM switch is in the COOL position.  is displayed (flashing) when the compressor is in lockout mode.
- ⑪ Alternately displays current time and temperature.
- ⑫ "LO BATT" is displayed when the 2 "AAA" batteries are low and should be replaced. Nothing else will be displayed.
- ⑬ Displays currently programmed set temperature (this is blank when SYSTEM switch is in the OFF position).
- ⑭ The word **HOLD** is displayed when the thermostat is in the HOLD mode.

OPERATING FEATURES

Now that you are familiar with the thermostat buttons and display, read the following information to learn about the many features of the thermostat.

- **SIMULTANEOUS HEATING/COOLING PROGRAM STORAGE**—When programming, you can enter both your heating and cooling programs at the same time. There is no need to reprogram the thermostat at the beginning of each season.
- **TEMPERATURE OVERRIDE**—Press  or  until the display shows the temperature you want. The thermostat will override current programming and keep the room temperature at the selected temperature until the next program period begins. Then the thermostat will automatically revert to the program.

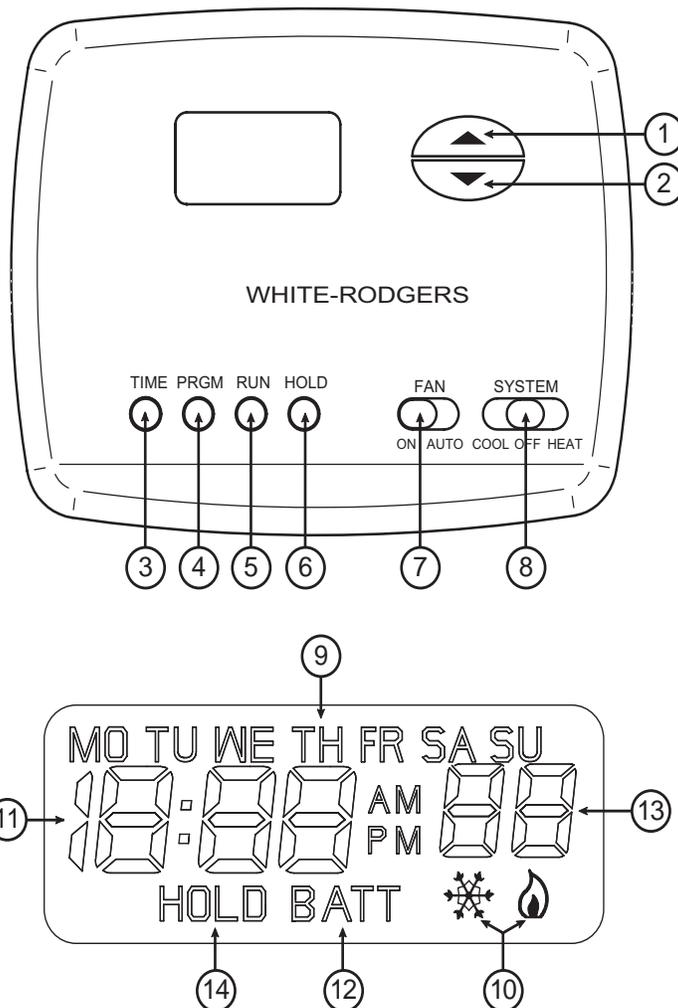


Figure 8. Thermostat display, buttons, and switches

- **HOLD TEMPERATURE**—The thermostat can hold any temperature within its range for an indefinite period, without reverting to the programmed temperature. Press HOLD button. **HOLD** will be displayed. Then choose the desired hold temperature by pressing  or . The thermostat will hold the room temperature at the selected setting until you press RUN button to start program operation again.
- **LOW BATTERY INDICATOR**—If the 2 "AAA" alkaline batteries are low and should be replaced, the display will be blank except for "LO BATT". When the batteries are low, pressing any button will cause the display to operate for ten seconds. After ten seconds, the display will be blank except for "LO BATT". You cannot program with low batteries, but you can override setpoint temperature. When "LO BATT" occurs, the thermostat will raise the temperature 10 degrees above your setpoint on "COOL" mode and will drop temperature 10 degrees below your setpoint on "HEAT" mode.
- **SIMPLIFIED COPY DAY FUNCTION**—This feature allows Monday's program to be copied into the rest of the week's programming. **This feature is only available the first time you program your thermostat.** To use this feature, simply enter the program for Monday as described in PROGRAMMING YOUR THERMOSTAT, and then press COOL, RUN, or HOLD.

Configuration Menu

Step	Press Button(s)	Displayed (Factory Default)	Press  or  to select:	Comments
1	PRGM and RUN	Φ (FA)	SL	Select FA or SL (Fast or Slow) heating cycle rate
2	HOLD*	d-L (ON)	OFF	Select display backlight OFF or ON
3	HOLD*	E (ON)	OFF	Select Energy Management Recovery OFF or ON
4	HOLD*	LOC (OFF)	ON	Select compressor lockout OFF or ON
5	HOLD*	0 HI (0)	4 LO to 4 HI	Select temperature display adjustment higher or lower
6	HOLD*	(F)	C	Select temperature display to F or C
7	RUN			Returns to normal operation

* Press **HOLD** to advance to next item or **TIME** to move backwards to previous item

The only way to restore this feature is to complete a software reset (see reset operation under “TROUBLESHOOTING” section).

- **COPY DAY FUNCTION**—This feature allows a selected day’s program to be copied to the desired days’ programming. To use this feature in view PRGM mode, select the day to be copied from by pressing HOLD key. Enter the program for the selected day as described in PROGRAMMING YOUR THERMOSTAT. To enter the copy mode, press the TIME key for greater than 4 seconds. The LCD should display COPY, the selected day of the week and the day (flashing) to be copied to. Press the HOLD key to select the day to be copied to. Press the HOLD key to select the day to be copied to. Press TIME to execute copy day operation and return to view program mode. Press RUN key to exit.

6 CONFIGURATION MENU

The configuration menu allows you to set certain thermostat operating characteristics to your system or personal requirements.

Press RUN to make sure the thermostat is in the run program mode, then press PRGM and RUN at the same time to enter the 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 HOLD to change to the next menu item or press TIME to go backwards to the previous item in the menu. To exit the menu and return to the program operation, press RUN. If no keys are pressed within fifteen minutes, the thermostat will revert to normal operation.

- 1) **Select FA or SL (Fast or Slow) Heating Cycle Rate**—The FA setting is frequently used for gas, oil or electric heat. The SL setting produces a longer heating cycle which is normally for hot water or steam (hydronic) systems. Both settings produce very accurate temperature control and can be set to your personal preference. FA cycles the system just under 1°F and the SL setting cycles at approximately 1.5°F.
- 2) **Select backlit display**—The display backlight improves display contrast in low lighting conditions. Selecting backlight ON will keep the light on for a short period of time after any key is pressed. Selecting OFF will keep the light off.
- 3) **Select Energy Management Recovery OFF or ON**—Energy Management Recovery (EMR) causes the thermostat to start heating or cooling early to make the building

temperature reach the program setpoint at the time you specify. Heating will start 5 minutes early for every 1° of temperature required to reach setpoint.

Example: You select EMR and have your heating programmed to 65° at night and 70° at 7 AM. If the building temperature is 65° the difference between 65° and 70° is 5°. Allowing 5 minutes per degree the thermostat setpoint will change to 70° at 6:35 AM. Cooling allows more time per degree because it takes longer to reach temperature.

- 4) **Select Compressor Lockout LOC OFF or ON**—Selecting LOC ON will cause the thermostat to wait 5 minutes before turning on the compressor if the heating and cooling system loses power. It will also wait 5 minutes minimum between cooling 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 feature is already present in their system. When the compressor time delay occurs it will flash the  for about five minutes then turn on the compressor.
- 5) **Select Temperature Display Adjustment 4 LO to 4 HI**—Allows you to adjust the room temperature display 4° higher or lower. Your thermostat was accurately calibrated at the factory but you have the option to change the display temperature to match your previous thermostat.
- 6) **Select F° or C° Readout**—Changes the display readout to Centigrade or Fahrenheit as required.

7 PROGRAMMING YOUR THERMOSTAT

This section will help you plan your thermostat’s program to meet your needs. For maximum comfort and efficiency, keep the following guidelines in mind when planning your program.

- When heating (cooling) your building, program the temperatures to be cooler (warmer) when the building is vacant or during periods of low activity.
- During early morning hours, the need for cooling is usually minimal.

Look at the factory preprogrammed times and temperatures shown below. If this program will suit your needs, simply press the RUN button to begin running the factory preset program.

If you want to change the preprogrammed times and temperatures, follow these steps.

Determine the time periods and temperatures for each day programs. You must program four periods for each day program.

7 PROGRAMMING YOUR THERMOSTAT

CONTINUED FROM FIFTH PAGE

However, you may use the same heating and cooling temperatures for consecutive time periods. You can choose start times, heating temperatures, and cooling temperatures independently for each day programs (for example, you may select 5:00 AM and 70° as the **1st period heating** start time and temperature on Monday, then select 7:00 AM and 76° as the **1st period cooling** start time and temperature on Monday). Use the table at the bottom of the page to plan your program time periods and the temperatures you want during each period. You may also want to look at the sample program table to get an idea of how the thermostat can be programmed.

Entering Your Program

Follow these steps to enter the heating and cooling programs you have selected.

Set Current Time and Day

1. Press TIME button once. The display will show the hour only.



2. Press and hold either or until you reach the correct hour and AM/PM designation (**AM** begins at midnight; **PM** begins at noon).

SAMPLE
Heating/Cooling Schedule Plan (Factory Program)

Period		ALL DAYS OF THE WEEK	
		Start Time	Temperature
HEAT	1ST	6:00 AM	70 F
	2ND	8:00 AM	62 F
	3RD	5:00 PM	70 F
	4TH	10:00 PM	62 F
COOL	1ST	6:00 AM	78 F
	2ND	8:00 AM	85 F
	3RD	5:00 PM	78 F
	4TH	10:00 PM	82 F

3. Press TIME once. The display window will show the minutes only.



4. Press and hold either or until you reach the correct minutes.
5. Press TIME once. The display will show the day of the week.
6. Press or until you reach the current day of the week.
7. Press RUN once. The display will show the correct time and room temperature alternately.

Enter Heating/Cooling Times and Heating Temperatures

1. Move the SYSTEM switch to **HEAT**.
2. Press PRGM once. **MO**, the abbreviation for Monday, will be displayed. Also displayed are the currently programmed start time for the 1st heating period and the currently programmed temperature for the 1st heating period (flashing).



This example shows that for the 1st Monday heating period, the start time is 6:00 AM, and 70° is the programmed temperature (this example reflects factory preprogramming).

3. If the temperature displayed is not the temperature you want for Monday's period 1, press or until the correct temperature is displayed.
4. To change the displayed start time to the time you have selected for Monday's heating period 1, press TIME once (the programmed time will flash). Press or until your selected time is displayed. The time will change in 15 minute increments.
5. Press PRGM once. The currently programmed start time and heating setpoint temperature for Monday's heating period 2 will be displayed.
6. Repeat steps 3 and 4 to select the start time and heating temperature for Monday's 2nd heating period.
7. Repeat steps 3 through 5 for Monday's 3rd and 4th heating period. Monday's heating program is now complete.

Heating/Cooling Schedule Plan

	PERIOD 1				PERIOD 2				PERIOD 3				PERIOD 4			
	HEAT		COOL													
	Time	Temp	Time	Temp												
Mon																
Tues																
Wed																
Thur																
Fri																
Sat																
Sun																

NOTE

If you are programming your thermostat for the first time, and you want programming for all days of the week to be the same as Monday's program, press RUN or HOLD at this point, and proceed to the **SELECT COOLING TEMPERATURES** section (this simplified COPY DAY feature only works the first time you program your thermostat; refer to "COPY DAY FUNCTION" if you want to copy one day's programming to a specific day programming; if you are changing your thermostat's programming, you must program each day separately).

8. Press HOLD once. "TU" (indicating Tuesday's program) will be displayed, along with the start time for the 1st heating period and the currently programmed heating setpoint temperature.
9. Repeat steps 3 through 7 to complete Tuesday's heating program.
10. Continue entering each day's programming until all heating periods temperatures have been selected.
11. Press RUN to end heating programming. Proceed to the **SELECT COOLING TEMPERATURES** section.

Enter Cooling Temperatures

If the outside temperature is below 50° F, disconnect power to the cooling system before programming. Energizing the air conditioner compressor during cold weather may cause personal injury or property damage.

1. Move SYSTEM switch to **COOL** position.
2. Follow the procedure for entering your heating program, using your selected cooling times and temperature.

Check your programming

Follow these steps to check your thermostat programming one final time before beginning thermostat operation.

1. Move the SYSTEM switch to **HEAT** position.
2. Press PRGM to view the 1st Monday heating period time and temperature. Each time you press PRGM, the next heating period time and temperature for Monday will be displayed in sequence. Press HOLD to display Tuesday's 1st heating period program. Press PRGM to check the remaining Tuesday heating period times and temperatures. To check each day's heating program, press HOLD to change days, then press PRGM to look at each programming period for the day (you may change any time or temperature during this procedure).
3. Press RUN.
4. Move SYSTEM switch to **COOL** position.
5. Repeat step 2 to check cooling temperatures.
6. Press RUN to begin program operation.

YOUR THERMOSTAT IS NOW COMPLETELY PROGRAMMED AND READY TO AUTOMATICALLY PROVIDE MAXIMUM COMFORT AND EFFICIENCY!

8 SPECIFICATIONS

ELECTRICAL DATA

Electrical Rating:

0 to 30 VAC 50/60 Hz. or D.C.

0.05 to 1.2 Amps (Load per terminal)

1.5 Amps Maximum Total Load (All terminals combined)

THERMAL DATA

Setpoint Temperature Range:

45°F to 90°F (7°C to 32°C)

Operating Ambient Temperature Range:

32°F to 105°F

Operating Humidity Range:

0 to 90% RH (non-condensing)

Shipping Temperature Range:

-40°F to 150°F

9 TROUBLESHOOTING

Reset Operation

If a voltage spike or static discharge blanks out the display or causes erratic thermostat operation you can reset the thermostat by pressing ,  and TIME at the same time. This also resets the factory defaults. If the thermostat has power, has been

reset and still does not function correctly contact your heating/cooling service person or place of purchase.

Batteries

For optimum performance, we recommend replacing batteries once a year with fresh "AAA" Energizer® alkaline batteries.

Symptom	Possible Cause	Corrective Action
No Heat/No Cool/No Fan (common problems)	<ol style="list-style-type: none">1. Blown fuse or tripped circuit breaker.2. Furnace power switch to OFF.3. Furnace blower compartment door or panel loose or not properly installed.	<ol style="list-style-type: none">Replace fuse or reset breaker.Turn switch to ON.Replace door panel in proper position to engage safety interlock or door switch.
No Heat	<ol style="list-style-type: none">1. Pilot light not lit.2. System Switch not set to Heat.3. Loose connection to thermostat or system.4. Furnace Lock-Out Condition. Heat may also be intermittent.	<ol style="list-style-type: none">Re-light pilot.Set System Switch to Heat and raise temp above room temp.Verify thermostat and system wires are securely attached.Many furnaces have safety devices that shut down when a lock-out condition occurs. If the heat works intermittently contact the furnace manufacturer or local service person for assistance.

9 TROUBLESHOOTING

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Symptom	Possible Cause	Corrective Action
No Heat (continued)	5. Heating system requires service or thermostat requires replacement.	Diagonistic: Set System Switch to Heat and raise the setpoint above room temperature. Within a few seconds the thermostat should make a soft click sound. This sound usually indicates the thermostat is operating properly. If the thermostat does not click, try the reset operation listed above. If the thermostat does not click after being reset contact your heating and cooling service person or place of purchase for a replacement. If the thermostat clicks, contact the furnace manufacturer or a service person to verify the heating is operating correctly.
No Cool	1. System Switch not set to Cool. 2. Loose connection to thermostat or system. 3. Cooling system requires service or thermostat requires replacement.	Set System Switch to Cool and lower temp below room temp. Verify thermostat and system wires are securely attached. Same procedure as diagnostic for No Heat condition except set the thermostat to Cool and lower the setpoint below the room temperature. There may be up to a five minute delay before the thermostat clicks in Cooling.
Heat, Cool or Fan Runs Constantly.	1. Possible short in wiring. 2. Possible short in thermostat. 3. Possible short in heat/cool/fan system. 4. Fan Switch set to Fan On.	Check each wire connection to verify they are not shorted or touching together. No bare wire should stick out from under terminal screws. Try resetting the thermostat as described below. If the condition persists the manufacturer of your system or service person can instruct you on how to test the Heat/Cool system for correct operation. If the system operates correctly, replace the thermostat.
Furnace Cycles Too Fast or Too Slow (narrow or wide temperature swing)	1. The location of the thermostat and/or the size of the Heating System may be influencing the cycle rate.	Digital thermostats normally provide precise temperature control and may cycle faster than some older mechanical models. A faster cycle rate means the unit turns on and off more frequently but runs for a shorter time so there is no increase in energy use. If you would like to increase the cycle time, change the cycle rate to "SL" in the configuration menu. It is not possible to shorten the cycle time. If an acceptable cycle rate is not achieved as received or by changing the cycle rate. Contact a local service person for additional suggestions.
Cooling Cycles Too Fast or Too Slow (narrow or wide temperature swing)	1. The location of the thermostat and the size of the Cooling System can influence the cycle rate.	The cycle rate for cooling is fixed and can not be adjusted. Contact a local service person for suggestions.
Thermostat Setting and Thermostat Thermometer Disagree	1. Thermostat thermometer setting requires adjustment.	The thermometer can be adjusted +/- 4 degrees. See Temperature Display Adjustment in the Configuration menu.
Thermostat Does Not Follow Program	1. AM or PM set incorrectly in program. 2. AM or PM set incorrectly on the clock. 3. Voltage spike or static discharge.	Check current clock and program settings including the AM or PM designations for each time period. If a voltage spike or a static discharge occurs use the Reset Operation listed above.
Blank Display and/or Keypad Not Responding	1. Voltage spike or static discharge. 2. Battery change required.	Replace batteries and check heat/cool system for proper operation. If a voltage spike occurs use the Reset Operation listed above.
Clock Loses or Gains Time	1. Loss of power to thermostat and low batteries.	The thermostat will maintain its program in memory even with no power/no batteries but the clock time will be incorrect when power is restored. See No Heat/No Cool/No Fan (common problems) above for items to check in the system.
Heat or Cool Starts Early	1. EMR activated.	See Configuration Menu (Item 4).