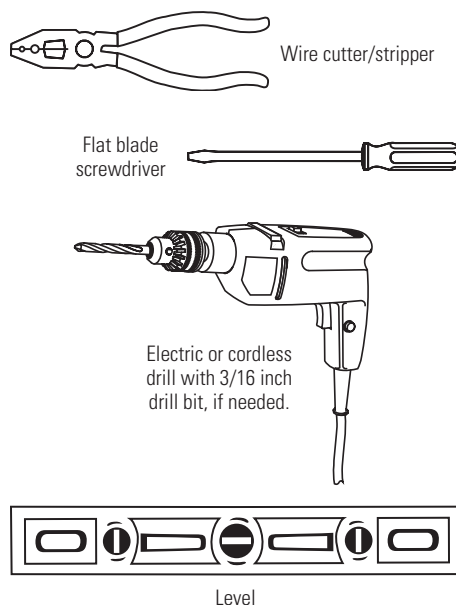# Model 8265 Installation and Operation Manual
5/2 Day Programmable Heat Pump Thermostat

Failure to follow and read all instructions carefully before installing or operating this control could cause personal injury and/or property damage. If you have any questions, please call Research Products Corporation at (800) 334-6011.
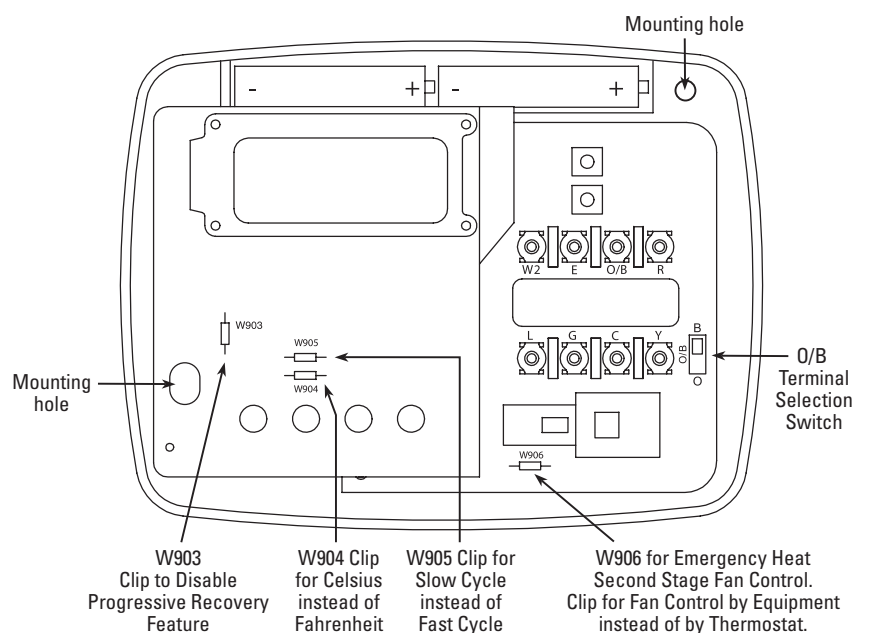
PREPARATIONS

Assemble tools required as shown below.

Wire cutter/stripper

Flat blade screwdriver

Electric or cordless drill with 3/16 inch drill bit, if needed.

Level

THERMOSTAT DETAILS

FIGURE 1 – Thermostat Base

Mounting hole

Mounting hole

W2   E   O/B   R

L   G   C   Y   B   O/B

O/B Terminal Selection Switch

W903

W905

W904

W906

W903
Clip to Disable Progressive Recovery Feature

W904 Clip for Celsius instead of Fahrenheit

W905 Clip for Slow Cycle instead of Fast Cycle

W906 for Emergency Heat Second Stage Fan Control. Clip for Fan Control by Equipment instead of by Thermostat.

THERMOSTAT APPLICATIONS

Description	
Heat Pump (No Aux or Emergency Heat)	Yes
Heat Pump (with Aux or Emergency Heat)	Yes
Standard Heat & Cooling Systems	No
Standard Heat Only Systems	No
Millivolt Heat Only Systems – Floor or Wall Furnaces	No

Description	
Standard Central Air Conditioning	No
Gas or Oil Heat	No
Electric Furnace	No
Hydronic (Hot Water) Zone Heat – 2 Wires	No
Hydronic (Hot Water) Zone Heat – 3 Wires	No

MOUNTING AND WIRING

⚠ WARNING

120 volts may cause serious injury from electrical shock. Disconnect electrical power to the furnace & air conditioner before starting installation. This thermostat is not a 120 volt (line voltage) device.

Improper installation may cause serious injury from electrical shock. This product must be installed by a qualified heating & air conditioning contractor in accordance with NEC Standards and applicable local and state codes.

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 NEC code.

ELECTRIC/GAS JUMPER (FAN OPTION)

If your emergency or auxiliary system will energize the blower, then jumper W906 on the thermostat base must be cut (see **Figure 1**).

If your emergency or auxiliary heat system requires that the thermostat energize the fan circuit, do not cut jumper W906.

If you are unsure of your application, contact a qualified service person.

°F OR °C SELECTION

The factory default setting for temperature display is Fahrenheit. If you want the temperature in Celsius, clip jumper W904.

FAST OR SLOW CYCLE SELECTION

The factory default setting is fast cycle, which cycles 1st stage with a temperature swing of approximately 1.2°F and 2nd stage with 0.75°F. If you prefer slow cycle, clip jumper W905. The 1st stage and 2nd stage temperature swing will become 1.5°F and 1.2°F respectively.

PROGRESSIVE RECOVERY

This thermostat is set to operate with Progressive Recovery. This causes the thermostat to start the heating or cooling system early to have the room temperature reach the program setpoint at the time the period is to start.

To disable Progressive Recovery, clip jumper W903 (see **Figure 1**).

O/B TERMINAL SELECTION SWITCH

The O/B switch on this thermostat is factory set to the "B" position. This will accommodate the majority of heat pump applications which require the changeover relay to be energized in HEAT. If the heat pump being installed with this thermostat requires an "O" terminal to energize the changeover relay in COOL, the O/B switch must be moved to the "O" position.

⚠ 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.

BATTERY LOCATION

This thermostat does not require batteries to operate. The 2 "AAA" alkaline batteries are for the thermostat to remember the programming if AC voltage is lost. If the display shows BATT when AC power is not present, 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 **Figure 1**). The batteries must be installed with the positive (+) ends to the right.

CHOOSE A LOCATION TO MOUNT THE THERMOSTAT

MOUNT THE THERMOSTAT…

- Approximately 5 feet above the floor. Refer to local codes for compliance with the Americans with Disabilities Act (ADA).
- On an interior wall in a frequently occupied space where the temperature is most representative of the zone being controlled by the thermostat.
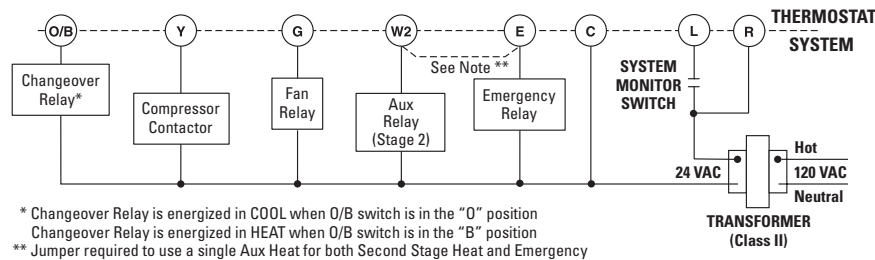- At least 18 inches away from an outside wall.

DO NOT MOUNT THE THERMOSTAT…

- Behind doors, in corners or other dead air spaces.
- In direct sunlight, near lamps or other sources of heat.
- On an outside wall or any wall exposed to an unconditioned space (a garage for example).
- In the airflow path of a supply register, in stairways or near outside doors.
- On a wall where concealed pipes or ductwork will affect the thermostat temperature accuracy.
- Near sources of electrical interference, such as arcing switch contacts.
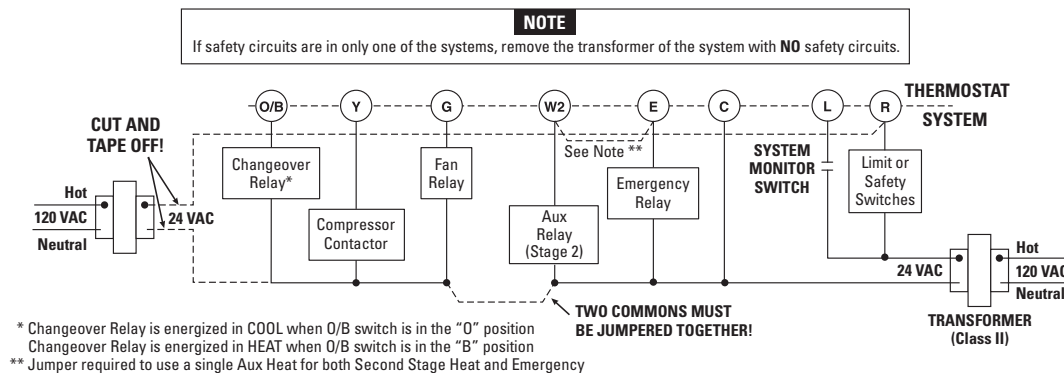
ATTACH THERMOSTAT BASE TO WALL

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. Loss of internal programs may result from static discharge to thermostat circuit board. Please touch a grounded metal object before handling the thermostat.

2. Connect wires beneath terminal screws on base using appropriate wiring schematic (see **Figures 2 through 4**).

3. Place base over wire access hole in wall, level for appearance, and mark mounting hole locations on wall using base as a template.

4. Move base out of the way. Drill mounting holes with 3/16 inch drill bit.

5. Fasten base loosely to wall using two mounting screws as shown in **Figure 1**. 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 sub-base.

6. Wire the thermostat. **IMPORTANT! ENSURE THE POWER AT THE HVAC EQUIPMENT IS OFF.**

   a. Make sure the fan switch is set to Auto and the Mode switch is set to Off.

   b. Strip 3" of cable insulation.

   c. Strip 3/8" of insulation from each wire. Do not cut into the wire when stripping insulation, as this can lead to eventual control failure.

   d. Secure the wires to the thermostat terminal strip according to the wiring diagram for the model being installed (see **Figures 2 through 4**). Use a flat screw driver with a 1/8" tip (terminal screw driver). Use color coding where possible (i.e. red wire to R terminal, white wire to W terminal, etc.).

   e. Slide excess cable back into the wire entry wall opening and fill the hole with insulation. Failure to seal the hole can cause drafts to enter the thermostat and affect temperature sensing accuracy.
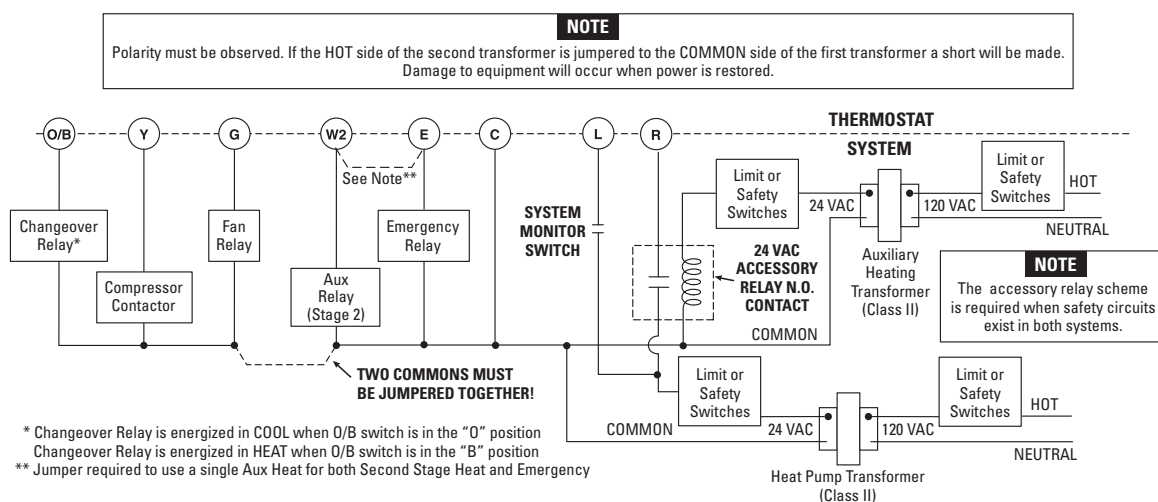
FIGURE 2 – Typical wiring diagram for single transformer systems

* Changeover Relay is energized in COOL when O/B switch is in the "O" position
Changeover Relay is energized in HEAT when O/B switch is in the "B" position
** Jumper required to use a single Aux Heat for both Second Stage Heat and Emergency

FIGURE 3 – Typical wiring diagram for two transformer systems with NO safety circuits

NOTE
If safety circuits are in only one of the systems, remove the transformer of the system with **NO** safety circuits.

* Changeover Relay is energized in COOL when O/B switch is in the "O" position
Changeover Relay is energized in HEAT when O/B switch is in the "B" position
** Jumper required to use a single Aux Heat for both Second Stage Heat and Emergency

FIGURE 4 – Typical wiring diagram for two transformer systems with safety circuits in BOTH systems

NOTE
Polarity must be observed. If the HOT side of the second transformer is jumpered to the COMMON side of the first transformer a short will be made. Damage to equipment will occur when power is restored.

NOTE
The accessory relay scheme is required when safety circuits exist in both systems.

* Changeover Relay is energized in COOL when O/B switch is in the "O" position
Changeover Relay is energized in HEAT when O/B switch is in the "B" position
** Jumper required to use a single Aux Heat for both Second Stage Heat and Emergency

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 service person.

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.

⚠ CAUTION

Do not allow the compressor to run unless the compressor oil heaters have been operational for 6 hours and the system has not been operational for at least 5 minutes.

HEATING SYSTEM

1. Move SYSTEM switch to **HEAT** position. If the auxiliary heating system has a standing pilot, be sure to light it.
2. Press ⌃ to adjust thermostat setting to 1° above room temperature. The heat pump system should begin to operate. However, if the **Flame icon** (🔥) and **Snowflake icon** (❄) are flashing, the compressor lockout feature is operating (see Configuration menu, item 2.)
3. Adjust temperature setting to 4° above room temperature. The auxiliary heat system should begin to operate and the **Flame icon** (🔥) will be flashing.
4. Press ⌄ to adjust thermostat setting below room temperature. The heating system should stop operating.

⚠ CAUTION

Do not set to OFF mode during periods when freezing temperatures could occur.

EMERGENCY SYSTEM

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

1. Move SYSTEM switch to **EMER** position. EMER will flash on the display.
2. Press ⌃ to adjust thermostat setting above room temperature. The Aux heating system will begin to operate. The **Flame icon** (🔥) will display flashing to indicate that the Aux system is operating.
3. Press ⌄ to adjust the thermostat below room temperature. The Aux heating system should stop operating.

⚠ CAUTION

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

COOLING SYSTEM

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.

## THE THERMOSTAT BUTTONS AND SWITCHES

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 (see **Figure 5**). 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.

(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, EMER**).

THE DISPLAY

(9) Indicates day of the week.

(10) Indicates a malfunction with the system.

(11) **Flame icon** (🔥) is displayed when the SYSTEM switch is in the HEAT position. **Flame icon** (🔥) is displayed flashing when 2nd-stage heat (Aux or Emergency) is energized. **Snowflake icon** (❄) is displayed (non-flashing) when the SYSTEM switch is in the COOL position. **Snowflake** and **Flame icons** are displayed (flashing) if the thermostat is in lockout mode to prevent the compressor from cycling too quickly.

(12) **EMER** is displayed flashing when the system switch is in EMER position.

(13) Alternately displays current time and temperature.

(14) The word **HOLD** is displayed when the thermostat is in the HOLD mode.

(15) Displays currently programmed set temperature (this is blank when SYSTEM switch is in the OFF position).

(16) "BATT" is displayed when 2 "AAA" batteries are low and should be replaced.

FIGURE 5 – Thermostat buttons, display and switches
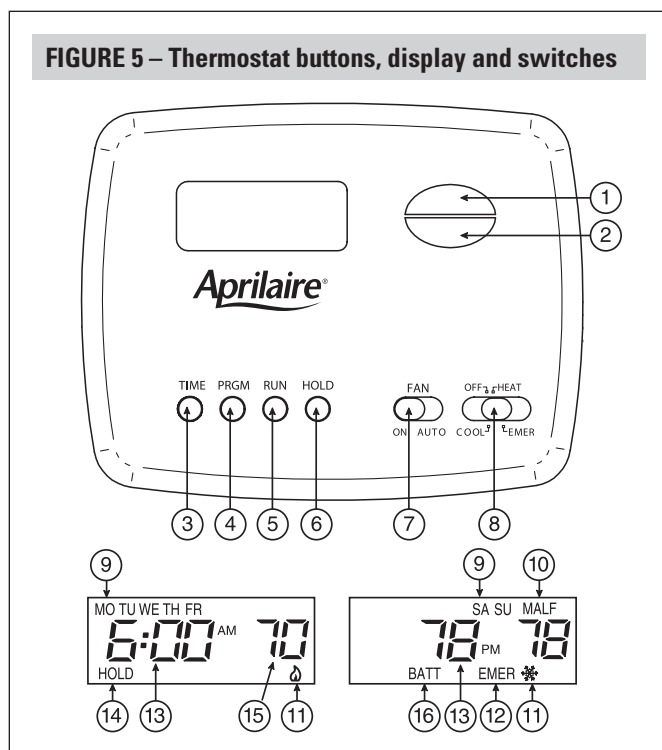
CONFIGURATION MENU

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 chart 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 Fast or Slow Cycling** – In the run mode, if the setpoint temperature is <u>manually</u> raised by 3°F (2°C) or more above the actual temperature with the TEMPERATURE UP key, and the fast second stage feature is enabled (FA on), the second stage will energize immediately. With FA off, second stage will not energize until the setpoint temperature is 1°F or more beyond actual temperature for more than ten minutes.

2. **Select Compressor Lockout CL OFF or ON** – Selecting CL 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 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 **Snowflake** and **Flame icons** for about five minutes.

3. **Select Temperature Display Adjustment 3 LO to 3 HI** – Allows you to adjust the room temperature display up to 3° higher or lower. Your thermostat was accurately calibrated at the factory but you have the option to change the display temperature to match other temperature measuring devices. The current or adjusted room temperature will be displayed on the left side of the display.

4. Press RUN to exit the menu and return to normal operation.

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.

- **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 temperature by pressing ⌃ or ⌄. The thermostat will hold the room temperature at the selected setting until you press the RUN button to start program operation again.

- **PROGRESSIVE RECOVERY** – Progressive Recovery causes the thermostat to start heating or cooling early to make the room 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 Progressive Recovery and have your heating programmed to 65° at night and 70° at 7 AM. If the room 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.

- **°F/°C CONVERTIBILITY** – The factory default setting is Fahrenheit. Clipping W904 jumper on the circuit board (see **Figure 1**) will alter this feature to display Celsius temperature.

		CONFIGURATION MENU		
Step	Press Button(s)	Displayed (Factory Default)	Press ⌃ or ⌄ to select:	Comments
1	**PRGM** and **RUN**	FA (ON)	OFF	Select fast (ON) or slow (OFF) Second Stage Heat
2	**HOLD***	CL (OFF)	ON	Select compressor lockout OFF or ON
3	**HOLD***	0 HI (0)	3 LO to 3 HI	Select temperature display adjustment higher or lower
4	**RUN**			Returns to normal operation

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

5

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 house, program the temperatures to be cooler (warmer) when the house is vacant or while occupants are sleeping.

• During early morning hours, the need for cooling is usually minimal.

Look at the factory preprogrammed times and temperatures shown on page 7. 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 your weekday and weekend programs. You must program four periods for both the weekday and weekend program. 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 both weekday and weekend programs (for example, you may select 5:00 AM and 70° as the weekday **1st period heating** start time and temperature, and also choose 7:00 AM and 76° as the weekday **1st period cooling** start time and temperature). Use the table on page 7 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.

EXAMPLE:

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

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

EXAMPLE:

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 PROGRAM

1. Move the SYSTEM switch to **HEAT**.

2. Press PRGM once. "**MO TU WE TH FR**" (indicating weekday program) will appear in the display. Also displayed are the currently programmed start time for the **1st heating** period and the currently programmed temperature (flashing).

EXAMPLE:

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

3. Press ⌃ or ⌄ to change the displayed temperature to your selected temperature for the 1st heating program period.

4. Press TIME once (the programmed time will flash). Press ⌃ or ⌄ until your selected time appears. The time will change in 15 minute increments. When your selected time is displayed, press TIME again to return to the change temperature mode.

5. Press PRGM once. The currently programmed start time and setpoint temperature for the **2nd heating** program period will appear.

6. Repeat steps 4 and 5 to select the start time and heating temperature for the 2nd heating program period.

7. Repeat steps 4 through 6 for the 3rd and 4th heating program periods. Weekday heating programs are now complete.

8. Press PRGM once. "**SA SU**" (indicating weekend program) will appear in the display, along with the start time for the 1st heating period and the currently programmed temperature.

9. Repeat steps 4 through 8 to complete weekend heating programming.

10. When you have completed entering your heating program, press RUN.

ENTER COOLING PROGRAM

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 temperatures.

Heating/Cooling Schedule Plan (Factory Program)				
		Weekday (5 Day)		**Weekend (2 Day)**	
Period		Start Time	Temperature	Start Time	Temperature
HEAT	1ST	6:00 AM	70°F	6:00 AM	70°F
	2ND	8:00 AM	62°F	8:00 AM	62°F
	3RD	5:00 PM	70°F	5:00 PM	70°F
	4TH	10:00 PM	62°F	10:00 PM	62°F
COOL	1ST	6:00 AM	78°F	6:00 AM	78°F
	2ND	8:00 AM	85°F	8:00 AM	85°F
	3RD	5:00 PM	78°F	5:00 PM	78°F
	4TH	10:00 PM	82°F	10:00 PM	82°F

My Heating/Cooling Schedule Plan				
		Weekday (5 Day)		**Weekend (2 Day)**	
Period		Start Time	Temperature	Start Time	Temperature
HEAT	1ST				
	2ND				
	3RD				
	4TH				
COOL	1ST				
	2ND				
	3RD				
	4TH				

CHECK YOUR PROGRAMMING

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

1. Move SYSTEM switch to **HEAT** position.
2. Press PRGM to view the 1st weekday heating period time and temperature. Each time you press PRGM, the next heating period time and temperature will be displayed in sequence for weekday, then weekend program periods (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 FULLY PROGRAMMED AND READY TO AUTOMATICALLY PROVIDE MAXIMUM COMFORT AND EFFICIENCY!

CLEANING THE THERMOSTAT

If the surface of the thermostat becomes dirty it can be cleaned with plain water or a non-abrasive household cleaner including glass cleaner. When using any cleaner, be careful not to get any into the interior of the thermostat. **Do not spray any liquid directly onto the thermostat.** Spray the cleaner onto a soft cloth and wipe the surface of the thermostat.

SPECIFICATIONS

ELECTRICAL DATA

Electrical Rating:
    20 to 30 VAC 50/60 Hz.
    0.05 to 1.0 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

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)	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.	1. Replace fuse or reset breaker. 2. Turn switch to ON. 3. Replace door panel in proper position to engage safety interlock or door switch.
No Heat	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. 5. Heating system requires service or thermostat requires replacement.	1. Re-light pilot. 2. Set System Switch to HEAT and raise setpoint above room temperature. 3. Verify thermostat and system wires are securely attached. 4. 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. 5. Diagnostic: 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 on page 7. 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.	1. Set System Switch to COOL and lower setpoint below room temperature. 2. Verify thermostat and system wires are securely attached. 3. 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.	1. – 4. 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 on page 7. 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 (Air Conditioning) Cycles Too Fast or Too Slow (narrow or wide temperature swing)	The location of the thermostat and/or the size of the Heating (Cooling) 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, clip Jumper W-905 as mentioned in the instructions for Hydronic Heating Systems. It is not possible to shorten the cycle time. If an acceptable cycle rate is not achieved as received or by clipping W-905 contact a local service person for additional suggestions.
Thermostat Setting and Thermostat Thermometer Disagree	Thermostat thermometer setting requires adjustment.	The thermometer can be adjusted +/- 3 degrees. See **Select Temperature Display Adjustment** (#3 in the Configuration Menu section).
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. 4. Thermostat may be performing Progressive Recovery actions.	1. – 3. 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 on page 7 in this Troubleshooting section. 4. Disable Progressive Recovery by clipping W903 if this feature is not desired.
Blank Display and/or Keypad Not Responding	Voltage spike or static discharge.	Use the **Reset Operation** listed on page 7 in this Troubleshooting section.

LIMITED WARRANTY

WARRANTY REGISTRATION