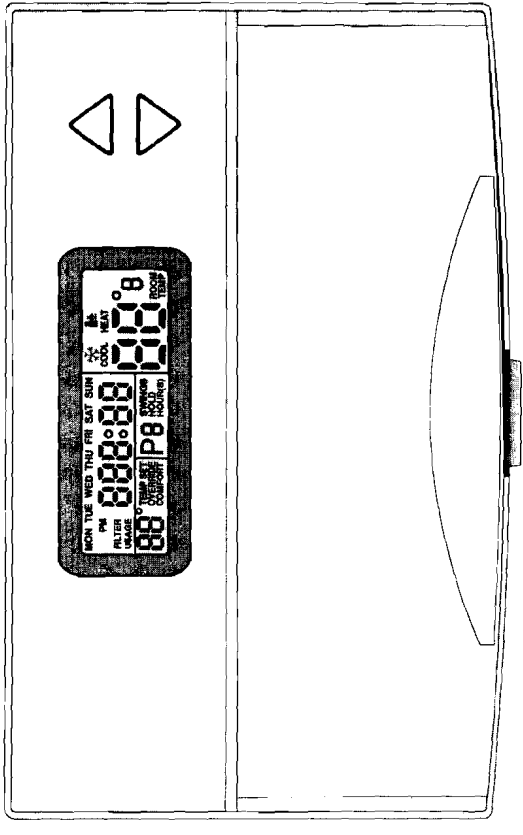
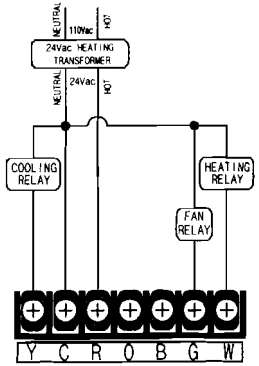
PROGRAMMABLE THERMOSTAT

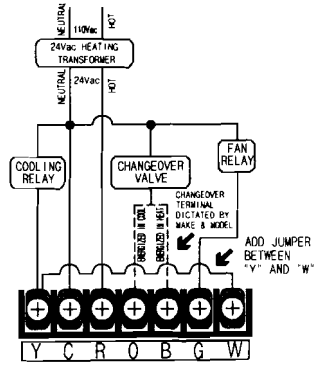


Wire solution for (EP-3BL,ED-4BL) Back light Model only.

TYPICAL HOOKUP FOR 4-WIRE HEATING AND COOLING SYSTEM

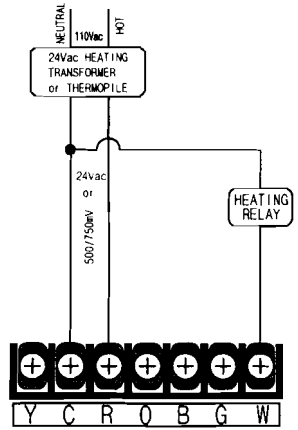


TYPICAL HOOKUP FOR SINGLE STAGE HEAT PUMP

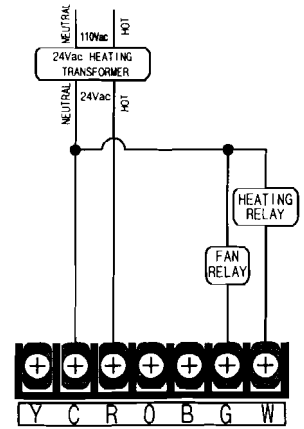


Wire solution for (EP-3BL,ED-4BL) Back light Model only.

TYPICAL HOOKUP FOR 2-WIRE 24V HEATING SYSTEM OR MILLVOLT SYSTEM



TYPICAL HOOKUP FOR 3-WIRE HEATING SYSTEM IF THIRD WIRE IS FAN WIRE



PLEASE

TAKE A TIME TO READ THE INSTRUCTIONS FIRST.

This thermostat has been designed to provide you with years of troublefree service. Proper understanding of any product is the key to successfully using it. By spending only a few moments reading through this manual, you will become acquainted with the many features built into this thermostat.

Following the procedures listed within this manual will minimize the chance of damaging the thermostat or any of the equipment it controls.

Take special notice of all ***NOTES*** as these contain important information and safety tips.

CONTENTS

PHYSICAL DIMENSIONS
3½"(89mm) x 5½"(143mm) x 1¼"(36mm)

ELECTRICAL LOAD LIMIT
1.5 amps at 24 Vac

COMPRESSOR PROTECTION DELAY
4 Minutes

TEMPERATURE DISPLAY
Selectable Celsius or Fahrenheit

TIME DISPLAY
Selectable 12 or 24 Hour

TEMPERATURE DIFFERENTIAL FAHRENHEIT
Preset =3° : 2° above, 1° below setpoint
Selectable 1° to 18° : +0° to 9°, -0° to 9°

TEMPERATURE DIFFERENTIAL CELSIUS
Preset =1.5° : 1° above, 0.5° below setpoint
Selectable 0.5° to 9° : +0° to 4.5°, -0° to 4.5°

TEMPERATURE ADJUSTMENT
1° Steps

DISPLAY RANGE
32° to 99° F ±2° F
0° to 37° C ±1° C

CONTROL RANGE
44° to 95° F
7° to 35° C

HEATING UNIT SWITCH
E - Fan controlled by Thermostat
G - Fan controlled by Heating Unit

SYSTEM SWITCH
3 Position (COOL - OFF - HEAT)

FAN SWITCH
2 Position (ON - AUTO)

SAMPLING RESOLUTION
1 Minute Interval

PROGRAMMING RESOLUTION
10 Minute Steps (factory option 5min)

PROGRAMMING PERIODS (Comfort Presets)

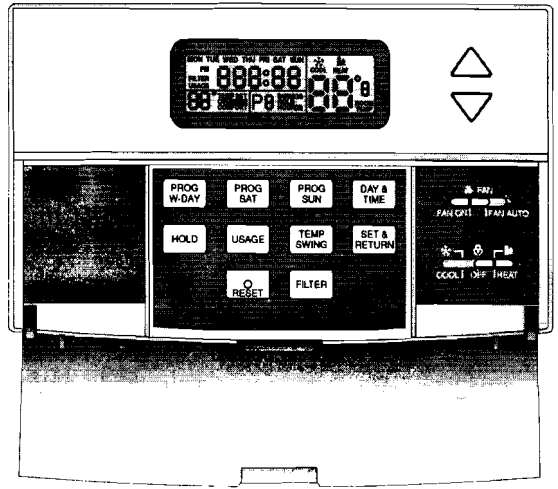
Monday - Friday :	4 Periods per Day
Saturday .	4 Periods per Day
Sunday :	4 Periods per Day

OPTIONAL PROGRAMMING PERIODS (Govt. Presets)

Monday - Friday :	6 Periods per Day
Saturday :	4 Periods per Day
Sunday :	4 Periods per Day

TYPICAL APPLICATIONS

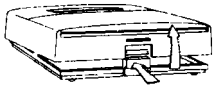
GAS FURNACE - Standing Pilot
GAS FURNACE - Electronic Ignition
GAS FIRED BOILER
GAS FIRED MILLIVOT SYSTEM
OIL FIRED BOILER
OIL FIRED FURNACE
ELECTRIC FORCED AIR FURNACE
ELECTRIC AIR CONDITIONER
GAS AIR CONDITIONER
SINGLE STAGE HEAT PUMP
SINGLE TRANSFORMER SYSTEMS
DUAL TRANSFORMER SYSTEMS



TOOLS REQUIRED:

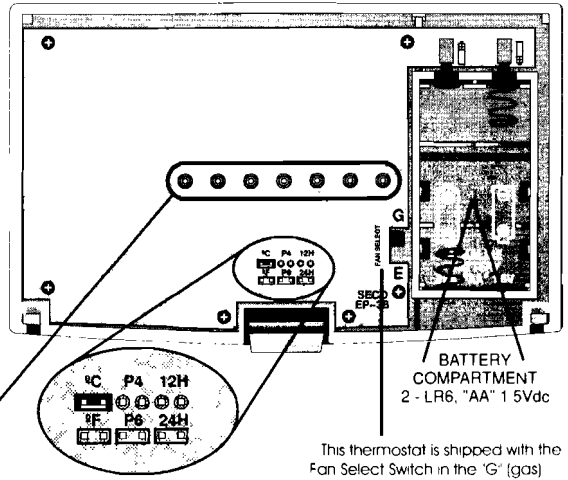
#1 Phillips Screwdriver (small)
Drill with 3/16" (4.8mm) Bit (if using anchors)
Wire Strippers or Knife
Masking Tape & Pen (for labeling wires)

You will need to remove the Base Plate to gain access to the Battery Compartment and Jumper Section.



While holding the thermostat face in the palm of your hand, press in on release button with your thumb. Hold on to the base plate firmly with your other hand by placing your fingers in the holes on the back of the thermostat. Keeping release button pressed in, swing thermostat away from base.

When remounting the thermostat face to the base plate, hook the top of the face onto the top of the base plate. Swing the face down until the face snaps into the base. Press in on the face, firmly, in the middle, to seat the terminal pins. This is necessary to secure face!



Push on jumpers to connect pins.

Pins numbered from left to right...

PINS 1&2< OFF = CELSIUS / ON = FAHRENHEIT

PINS 3&4< OFF = 4 PERIODS / ON = OPT. PERIODS

PINS 5&6< OFF = 12 HOUR CLOCK / ON = 24 HOUR CLOCK

This thermostat is shipped with the Fan Select Switch in the "G" (gas) position. In this mode the Fan is not controlled by the thermostat in the Fan-Auto position, but by the heating unit.

When the Fan Select is set to "E" (electric), then thermostat cycles the fan in both the Heat & Cool modes.

You have two choices.

You may wish to go ahead and install the batteries and explore the many features and functions of your new thermostat. If so, the Base Plate must be replaced before you open the front door of the thermostat Face. The Base acts as the hinging mechanism for the door. Skip the installation section for now and get acquainted with your new thermostat.

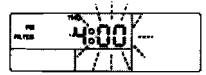
- OR -

You may be ready to mount the Base Plate on the wall. Just set the thermostat face aside in a safe location to protect the electronics. Do not open the front door with the Base Plate removed, as it acts as the hinge. For now, skip the Setting Clock section and proceed with Install. You'll need to come back to this section once you've installed the batteries and hung the thermostat on the wall.

To begin setting the clock press the DAY & TIME button (it may require a second press if you just installed the batteries). The day of the week will start flashing. Use the △ and ▽ buttons to choose the current day.

Press DAY & TIME to set the hour; the display will flash the hours digits.

Use the △ and ▽ buttons to select the current hour. To continue, press the DAY & TIME button to set the minutes. The minutes in the display will start flashing.



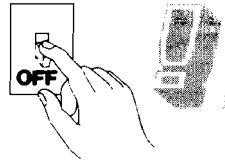
Use the △ and ▽ buttons to select the current minute. DAY & TIME will continue cycling through the options. To return to normal operation press the SET & RETURN. The display will stop flashing.

LOCATING THERMOSTAT

THERMOSTAT LOCATION

Proper location of the thermostat is very important to insure a comfortable temperature. Observe the following general rules for best results.

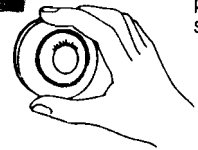
1. The thermostat should be on the inside wall of a room that is often used, approx. 5 ft.(1.5m) above the floor.
2. Avoid areas that exhibit unusual heating or cooling conditions such as in direct sunlight, near a fireplace, stove, register, door, window, or stairwell.
3. Be aware of furnishings which may block airflow or alter temperature such as; sofas, chairs, bookcases, track lighting, lamps, stereo components, television sets.
4. Hot water pipes in the wall, a stove, refrigerator, or fireplace on the other side of a prospective wall may affect the accuracy of your thermostat.
5. Locating any control in a damp area will cause corrosion, and shorten the life of the control.
6. Do not install where air circulation is poor (ie. in a corner, or an alcove, or behind an open door).
7. All construction work and painting should be complete before installing unit.
8. This thermostat does not require leveling.



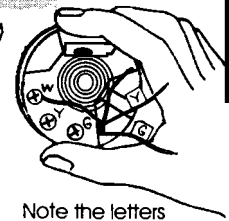
To avoid electrical shock and to prevent damage to the furnace, air conditioner, and thermostat, disconnect the power supply before beginning work. This can be done at the fuse box, at the circuit breaker, or at the appliance.

1

Remove the cover from the old thermostat. In most cases you can simply pull on the cover and it will "pop" off. However, some covers have locking screws on the sides which must be loosened or removed first.



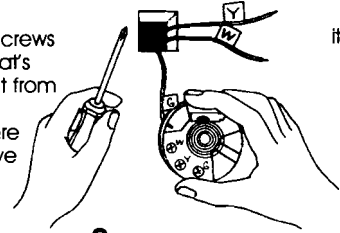
2



Note the letters printed near the terminals where the wires connect. Remove wires from terminals one at a time, labeling each wire with it's terminal designation. Make sure the wires do not fall back inside the wall.

3

Now loosen all the screws on the old thermostat's base, and remove it from the wall. Be careful not to disturb any wire labels as you remove the wires from the base.

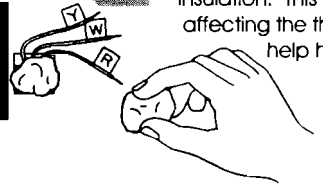


REMOVING THE OLD STAT

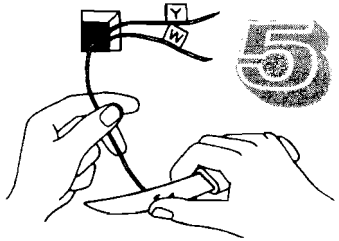
PREPARE WALL & WIRES

4

Fill wall opening with non-combustible insulation. This will prevent drafts from affecting the thermostat. This will also help hold the wires in place.

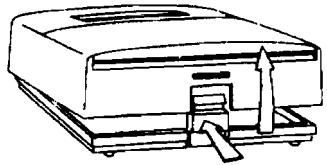


5



Strip the insulation approx. 3/8 in. (9.5mm) from the ends of the wires. Inspect wire ends and clean off any corrosion that may be present.

6



While holding the thermostat face in the palm of your hand, press in on release button with your thumb. Hold the base plate firmly with your other hand by placing your fingers in the holes on the back of the thermostat. Keeping release button pressed in, swing thermostat away from base.

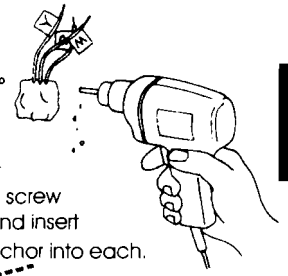
BE CAREFUL NOT TO DROP THE BODY OR TO DISTURB ELECTRONIC PARTS. LEAVE THE COVER CLOSED OR REMOVED WHLE THE BODY IS REMOVED FROM THE BASE.

MOUNTING NEW BASE

7

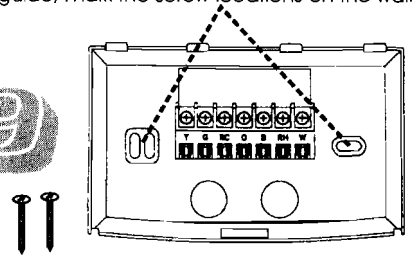
When mounting the thermostat to a soft material, like plasterboard, where the screws will not hold securely you will need to make new mounting holes. Using the thermostat base as a guide, mark the screw locations on the wall.

8



Drill a 3/16 inch hole at each of the screw locations, and insert a plastic anchor into each.

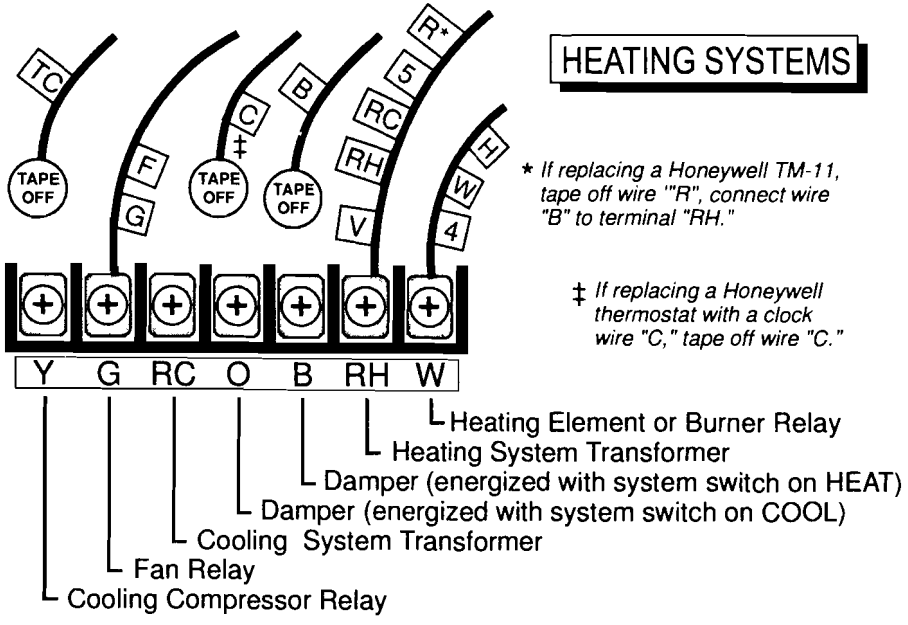
9



Hold thermostat base against the wall, with the wires coming through wherever is convenient for wiring. Route the wires above the terminal strip. Position the base for best appearance (hiding any marks from the old thermostat). Attach the base to the wall with the two provided screws.

10

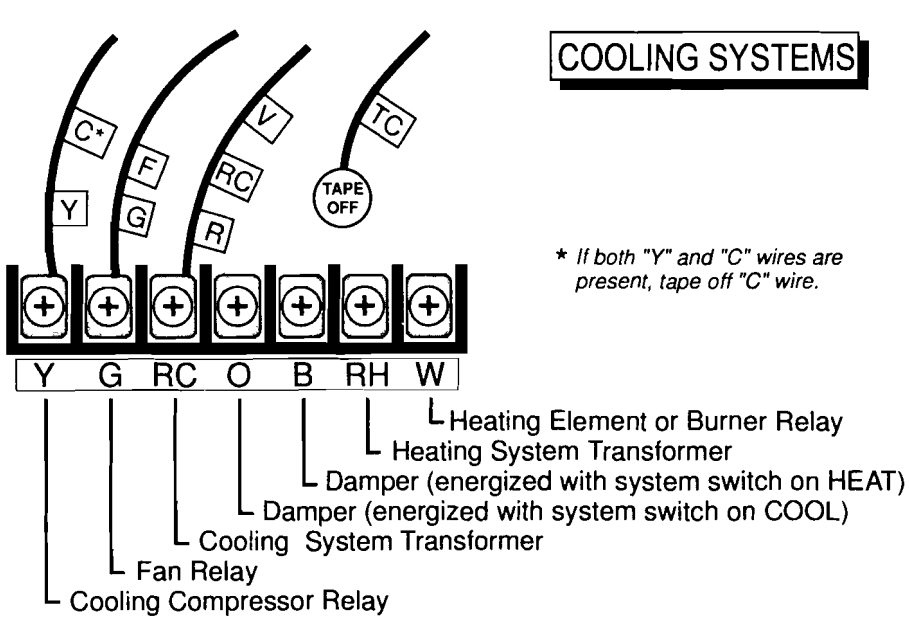
Attach wires to terminal screws using the appropriate wiring diagram from the following pages. If you are unsure as to which diagram to use, please contact a local qualified heat & air contractor for assistance.



HEATING SYSTEMS

* *If replacing a Honeywell TM-11, tape off wire "R", connect wire "B" to terminal "RH."*

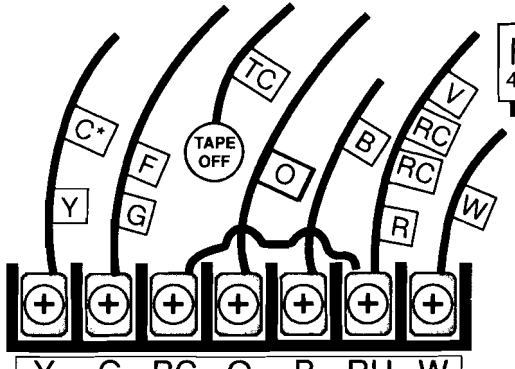
‡ *If replacing a Honeywell thermostat with a clock wire "C," tape off wire "C."*



COOLING SYSTEMS

* *If both "Y" and "C" wires are present, tape off "C" wire.*

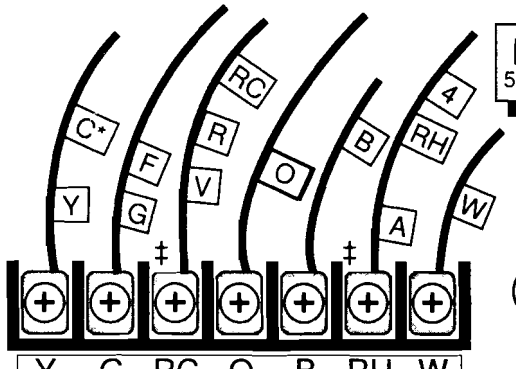
HEAT & COOL SYSTEMS
4 or 5 wire systems with 1 transformer



* *If both "Y" and "C" wires are present, tape off "C" wire.*

- W — Heating Element or Burner Relay
- RH — Heating System Transformer
- B — Damper (energized with system switch on HEAT)
- O — Damper (energized with system switch on COOL)
- RC — Cooling System Transformer
- G — Fan Relay
- Y — Cooling Compressor Relay

HEAT & COOL SYSTEMS
5 or 6 wire systems with 2 transformers

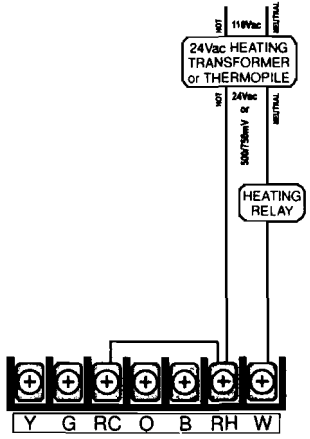


‡ *Remove jumper wire from "RC" to "RH."*

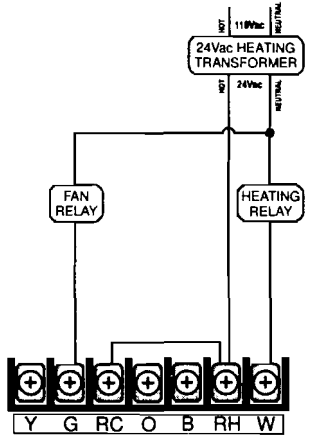
* *If both "Y" and "C" wires are present, tape off "C" wire.*

- W — Heating Element or Burner Relay
- RH — Heating System Transformer
- B — Damper (energized with system switch on HEAT)
- O — Damper (energized with system switch on COOL)
- RC — Cooling System Transformer
- G — Fan Relay
- Y — Cooling Compressor Relay

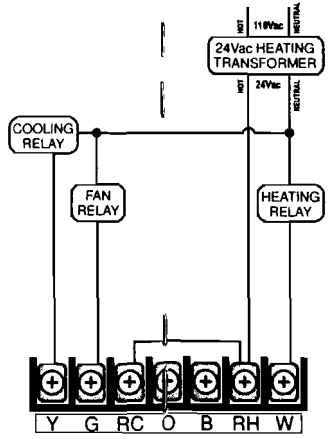
TYPICAL HOOKUP FOR 2-WIRE 24V HEATING SYSTEM OR MILLIVOLT SYSTEM



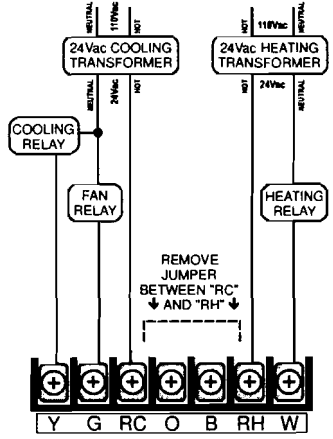
TYPICAL HOOKUP FOR 3-WIRE HEATING SYSTEM IF THIRD WIRE IS FAN WIRE



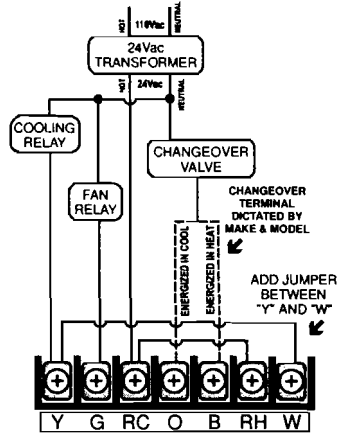
TYPICAL HOOKUP FOR 4-WIRE HEATING AND COOLING SYSTEM



TYPICAL HOOKUP FOR 5-WIRE HEATING AND COOLING SYSTEM



TYPICAL HOOKUP FOR SINGLE STAGE HEAT PUMP



Diagrams for New Installations or Unreferenced Wires

The thermostat you have purchased is a programmable type, which simply means it has a built in clock and can change it's temperature settings automatically throughout the day. This may be confusing at a glance, but there are some very good reasons why this may be desirable.

For example, let's say you live in an area where it is cold outside, and you have your heating system running to heat up the inside temperature to 70°F. This is a comfortable temperature in the house when you're sitting around with your family. But it uses a lot of electricity or gas to maintain that temperature all day, when you are at work a good part of that day.

With a programmable thermostat you can set the temperature back, perhaps to 60° while you are away at work, and to 65° at night will you are sleeping and still have it set to a comfortable level during the times that you are relaxing at home. This example could obviously be reversed for conditions where it is hot outside and you are having to cool the indoors, by setting temperatures up to higher levels during periods of absence or sleep.

An efficient heat and air system should "kick on", or cycle, four to six times an hour while maintaining one set temperature. However, if the temperature has been set back to a lower level or set up to a higher level, the unit will have to run much longer to recover to the comfort level.

The big question here is, how many degrees can you set the temperature back to keep the heat from cycling on when you don't need it, and still be able to bring the temperature back up to your comfort level without the heating unit having to run excessively? Many factors will affect this balance; How big is the difference between outside and inside temperatures? How efficient is your heating or cooling unit? How big is your house? How well insulated is your house? How many and what hours are you away from home? How many and what hours do you sleep?

The pre-programmed set of times and temperatures within your new thermostat can be altered to better match your needs if you so desire. Be sure to also read the section on the Usage Monitor for more information on determining the best settings for your situation.

Pre-programmed Times & Temperatures

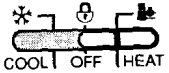
Program	Period	System Switch on Heat 12 H / 24 H	System Switch on Heat °F / °C	System Switch on Cool 12 H / 24 H	System Switch on Cool °F / °C
Weekday	1	5:00am / 05:00	70° F / 20° C	5:00am / 05:00	73° F / 24° C
Program	2	7:00am / 07:00	60° F / 14° C	7:00am / 07:00	83° F / 29° C
-	3	3:00pm / 15:00	70° F / 20° C	3:00pm / 15:00	73° F / 24° C
5 Day	4	10:30pm / 22:30	65° F / 14° C	10:30pm / 22:30	78° F / 29° C
Satuday	1	7:00am / 07:00	70° F / 20° C	7:00am / 07:00	73° F / 24° C
Program	2	7:15am / 07:15	70° F / 20° C	7:15am / 07:15	73° F / 24° C
-	3	6:00pm / 18:00	70° F / 20° C	6:00pm / 18:00	73° F / 24° C
1 Day	4	10:30pm / 22:30	65° F / 14° C	10:30pm / 22:30	78° F / 29° C
Sunday	1	7:00am / 07:00	70° F / 21° C	7:00am / 07:00	73° F / 24° C
Program	2	7:15am / 07:15	70° F / 21° C	7:15am / 07:15	73° F / 24° C
-	3	6:00pm / 18:00	70° F / 21° C	6:00pm / 18:00	73° F / 24° C
1 Day	4	10:30pm / 22:30	65° F / 14° C	10:30pm / 22:30	78° F / 29° C

* An optional pre-programmed set of times & temperatures is available for government buildings.

By following these simple steps you will be able to customize your new thermostat to better meet your needs.

THE DATE & TIME MUST HAVE BEEN SET AS DESCRIBED IN THE EARLIER SECTION

Within this thermostat are two separate sets of memories; one for heating control, and one for cooling control. This switch must be set to heat to access the heating memory, or to cool to access the cooling memory. The system switch must be set prior to reviewing or changing programs.



1

To review and NOT CHANGE a program memory, just press the specific program you wish to enter [PROG W-DAY] or [PROG SAT] or [PROG SUN]. The display should change to the 1st Period (**P1**) and show the Start Time and the Temp Set for **P1**.

2

Each subsequent press of the program button steps the display to the next period (**P1**, **P2**, **P3**, ...).

Each period contains a time and a temperature. The thermostat will change to *that* temperature at *this* time. However, it may take some time to achieve the set temperature (see Theory of Operation).

3

When you have finished reviewing the program(s), press [SET & RETURN] to return the display to normal.. If no key is pressed for 30 secs, the diplay will return to normal automatically.

READ ENTIRE STEP'S DIRECTIONS BEFORE BEGINNING STEP

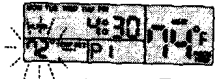
1

To CHANGE a program memory, press and hold [SET & RETURN], then press the specific program you wish to enter [PROG W-DAY] or [PROG SAT] or [PROG SUN]. The display should change to the 1st Period (**P1**) with the Start Time flashing. You may release the [SET & RETURN] button now.

2

Use the △ button to set the time forward. Use the ▽ button to set the time back. When you have the new Start Time correct, or if the Start Time did not require changing, press the same program button [PROG W-DAY] or [PROG SAT] or [PROG SUN] again to move to the Set Temperature.

3



Use the △ and ▽ buttons to adjust the temperature. When you have the new Set Temperature correct, or if the Set Temperature did not require changing, press the same program button [PROG W-DAY] or [PROG SAT] or [PROG SUN] again to move to the Start Time for the 2nd Period (**P2**).

4

Use the △ and ▽ buttons to make adjustments where necessary. Continue cycling through each period's Start Time, and then Set Temperature by pressing the same program button [PROG W-DAY] or [PROG SAT] or [PROG SUN]. When you have finished making adjustments to this program, press the [SET & RETURN] button to return to normal operation.

Temperature Swing is the term given to the amount the thermostat will allow the temperature to vary from the Set Temperature. This feature allows you to decide how closely the thermostat will control the temperature in the room.. The less time the unit (heating or cooling) runs, the less money you spend on utilities!

Your new thermostat comes to you preset to allow the room temperature to climb 2°F above the Set Temperature, and then will let it fall 1°F below the Set Temp. This has been found to be a balance between energy savings and comfort for most average people.

For example, it's winter, the Heating unit is running and has just brought the room temperature up to 70°F. You have your new thermostat set to 70°F, and have not altered the preset Temp Swing. The heating unit will continue running until the room temperature reaches 72°F before shutting off. The temperature will then begin to fall, and will continue falling until the heating unit kicks back on when the room temperature falls to 69°F.

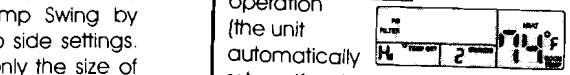
In this example you have a total Temp Swing of 3°F, 2°F on the Hi side and 1°F on the Lo side of the Set Temp.

Your new thermostat gives you a very high level of control over Temp Swing by having separate Hi side and Lo side settings. This allows you to control not only the size of the Temp Swing, but also it's placement in relation to the Set Temperature.

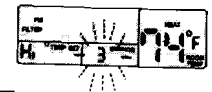
Let's say, you set your thermostat at 70°. You set the Temp Swing Hi setting to +3°F and a Lo setting to -1°F. Your room's temperature would be allowed to vary form 69°F to 73° F.

Temp Swing is adjustable from 0°F to 9°F on both Hi and Lo side, giving you a total swing of from 1°F to 18°F (both Hi & Lo may not be set to 0°F). Which settings will work best in your home, controlling your heating and cooling units, can best be determined by simple experimentation. Also, see the section Usage Monitor later in this manual.

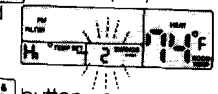
To review and NOT CHANGE the Temp Swing just press the [TEMP SWING]. The display should change to show the Hi setting. Press the [TEMP SWING] again to view the Lo setting. Press [SET & RETURN] to return to normal operation (the unit automatically returns if no key is pressed for 30 secs).



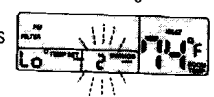
Use the △ button to increase the number of degrees above Set Temp. Use the ▽ button to decrease the number of degrees above Set Temp. When you have set the Hi side, press [TEMP SWING] to move on to Lo side setting.



To CHANGE the Temp Swing, press and hold [SET & RETURN], then press [TEMP SWING]. The display should change and have the current Hi setting flashing. You may release the [SET & RETURN] button now.



Use the △ button to increase the number of degrees below Set Temp. Use the ▽ button to decrease the number of degrees above Set Temp. When you are satisfied with your settings press [SET & RETURN] to return to normal operation (automatic if no key is pressed for 30 seconds).



After adjusting the Temperature Swing and/or Program Times & Temps, you must have a way to determine if indeed these new settings are lowering your energy usage. This is where the Usage Monitor comes in.

The Usage monitor feature has been provided to better equip you to "fine tune" the efficiency of your heating and cooling systems. Displaying the total number of hours and minutes the heating and cooling systems were running during a period of time can act as a guide or "measuring stick" by which you can judge the efficiency of your current settings.

You can check the usage for each of five different periods (each period of time is measured from midnight). The first two periods (today and yesterday) are provided just to give you a quick check of your settings. If, after making changes early this morning, your unit was on for a significant amount more time today than yesterday, and weather conditions were similar, then your changes would have lessened your efficiency.

A more accurate approach will use the third and fourth period (this week and last week) readings. The week begins with Sunday. So you have made your changes to the settings late Saturday night. The next week the thermostat operates using the new settings. Late Saturday night you check the usage for this week and last week. You can see which settings were better by which week shows less time.

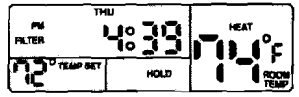
For this next method you must know when your utility meter is read and keep track of your usage until the utility company again reads your meter. Since your Usage monitor's longest period is the past two weeks (which starts with Sunday) you would have to record the usage each day in a log and total it when the meter was again read. You would then contact the utility company and ask how many "Degree Days" (days adjusted for weather conditions) there were in this reading period. By dividing the number of Degree days into the total Usage hours you will get a number. The smaller the number the better!

The Usage Monitor began counting the number of hours in an "on" condition as soon as the batteries were installed. To reset the Usage counter to zero, press and hold USAGE for three seconds. To return to normal operation press SET & RETURN, or wait 30 secs for automatic return.

Each press of the USAGE button cycles the display to show one of the five available periods. Watch the days of the week at the top of the display to see which period is being displayed. The display will light each day that is included in this recording period. The fifth period however, is for the past two weeks and only displays the current day of the week. To return press SET & RETURN To the right we have included a sample display for each period.

By simply pressing the [HOLD] button you can place you new thermostat into a Manual operation mode, where you set the desired temperature and it is maintained. The Hold indicater will light on the display confirming that you have entered Hold mode.

The △ and ▽ buttons are used to adjust the temperature. At any time you can return to the Program controlled mode by pressing [SET & RETURN].



This Manual mode is more desirable in some cases. You may feel more comfortable with a conventional thermostat.

Or, you may have experimented with different programmed times and temperatures, and discovered that you are not achieving the level of savings or comfort that you had hoped for.

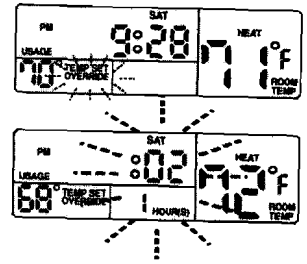
This may be due to the amount of insulation in your home, or a heating or cooling system that may have too slow of a recovery rate to allow for setting the temperature back or forward. Your lifestyle or job may have your home occupied so much of the time that it is simply impractical to have the temperature vary at different times. It may also be that you find that you are not maintaining the level of comfort that you are used to from a constant temperature.

Regardless of the reasons, your new thermostat can still provide you with years of service, while providing you with many features not available in conventional thermostats.

A Temporary Override has been provided to allow you to temporarily change the temperature without altering the thermostat's program. The thermostat will use the new temperature setting during the duration of this program period. At the start of the next program Period, the override will be cancelled and the thermostat will return to the temperatures stored within the program.

To activate the Override all you need to do is adjust the temperature using the △ and ▽ buttons. The Override indicator will light up just beside the set temperature (Temp Set).

In approx. 18 seconds the display will begin to alternate between the current time and the number of hours and minutes until the start of the next program period. This is the amount of time your override will be in affect.



If the time remaining until the next program period is not practical for your needs, such as, you have friends over and the house is getting too warm, so you override the temperature to lower it. The display shows the override will only last for an hour and two minutes. Your company may be staying longer than an hour or two. You would be better off using Comfort Override (see the next section).

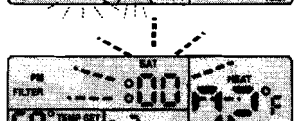
As always, you may return to the Program mode at any time by pressing [SET & RETURN].

Comfort Override allows you to change the temperature for a specific number of hours (from one to nine) without altering the thermostat's program. The thermostat will use the new temperature setting for the specified amount of time, then the thermostat will return to the temperatures stored within the program.

To activate Comfort Override you begin the same as for Temporary Override. Simply adjust the set temperature (Temp Set) using the △ and ▽ buttons. The Override indicator will light up just as it does with Temporary override.

You now have approx. 18 seconds to enter the desired length of time by pressing the DAY & TIME button once for each hour the new Temp Set should be in affect. The display indicator will now change to Comfort and the Hours will flash.

After about 18 seconds the display will begin to alternate between the current time and the number of hours and minutes your override will be in affect.



As always, you may return to the Program mode at any time by pressing SET & RETURN

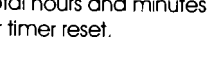
Probably the most important maintenace you will need to perform on your heating and cooling system is changing the air intake filter(s). This can affect your efficiency greatly!

For this reason your new thermostat comes with a built in timer to assist you in keeping up with the number of hours your unit has been running since your last filter change.

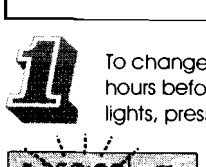
Upon receipt of the thermostat, the Filter indicator is lit to remind you to check your filter(s). The Filter indicator is preset to light after 250 hours of use. Your needs may vary from this number. If your filter(s) seem excessively dirty when you change them, you should lower the reminder time. Remember, clean filters are important!

You can check the Filter timer at any time just by pressing the FILTER button. The display will change to show the total hours and minutes of use since your last filter timer reset.

Remember to always reset your filter reminder when you change filters!

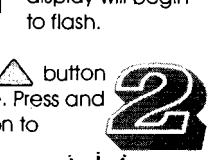


To reset the Filter counter to zero, press and hold FILTER for three seconds.
To return to normal operation press SET & RETURN, or wait 30 secs for automatic return.



To change the number of hours before the Filter reminder lights, press and hold the SET & RETURN button, and then press FILTER. The display will begin to flash.

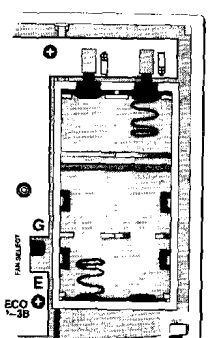
Press and hold the △ button to increase the time. Press and hold the ▽ button to decrease the time. Press SET & RETURN to save settings and return to normal operation.



As the batteries within your thermostat begin to weaken, you will notice the LCD display begin to dim. The thermostat will continue to function properly, however the display will become increasingly harder to see.

The time, programs, and all modifications you have made to temperature swings, filter timer, ect. are saved by the batteries. When the batteries become too low, the thermostat will replace the room temperature in the display with the word "Lo". When this appears you will need to replace the batteries as soon as possible.

From the time you remove the batteries from the thermostat, you will have approx. 45 seconds to install fresh ones.



You will need to remove the face from the wall mount to gain access to the Battery Compartment.

Push up on release button with your thumb. Keeping release button pressed in swing thermostat out and away from base.

When remounting the thermostat face to the base plate, hook the top of the face onto the top of the base plate. Swing the face down until the face snaps into the base. Press in on the face, firmly, in the middle, to seat the terminal pins. This is necessary to secure face!

In the event that the thermostat begins to perform erratically or unexpectedly, use a small blunt object to press the RESET button. This will return the thermostat to all preset programs and options. You will need to reprogram any customized options.

If you should encounter any difficulties in the use of this thermostat, whether they be in operation or understanding, please contact the company who selected this quality thermostat for you. This would most likely be the contractor who installed your heating and cooling systems.

If you purchased this thermostat yourself and need assistance, or if you are unsure of who installed it, you may be able to get help from any local heating and cooling contractor. They can best assist you as they have the equipment and can investigate your problem first hand!

Your Satisfaction is Our Goal

Southeast Industries, Inc.

Post Office Box 5267

Johnson City, TN 37603

Limited Warranty: If this unit fails because of defects in materials or workmanship within one year of date of original purchase, will, at its option, repair or replace it. This warranty does not cover damage by accident, misuse, or failure to follow installation instructions. Implied warranties are limited in duration to one year from date of original purchase. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Please return malfunctioning or defective units to the participating retailer from which purchase was made, along with proof of purchase. The factory will only warranty from date of manufacture, if possible, return to installer or place of purchase. Please refer to Trouble Section before returning thermostat.

Purchaser assumes all risks and liability for incidental and consequential damage resulting from installation and use of this unit. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. Applicable in the U.S.A. only.