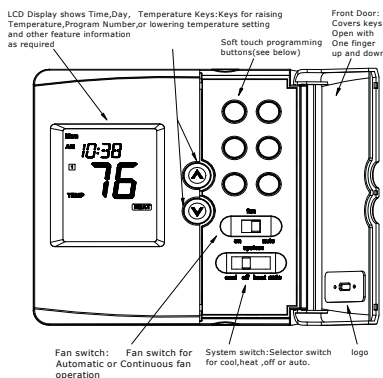


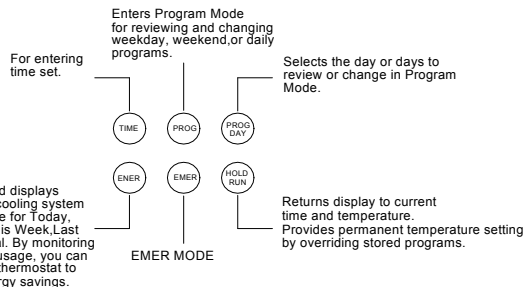
Program Thermostat Owners Manual

Model:BLU3910



FEATURES

Structure of thermostat and explanation for the keypads



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

Read This Before Installing Thermostat

OPERATION

YOUR THERMOSTAT REPLACES

Table with columns: Description, BLU3910, and compatibility status for various heating and cooling systems.

This Thermostat will NOT control 110/220Volt systems.

IMPORTANT

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

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

REMOVE THE MYLAR LABEL FROM THE LCD DISPLAY WINDOW.

INSTALLATION

3. All installation is normally performed at your thermostat.

ARMCHAIR PROGRAMMING

4.You can program your thermostat before installation by inserting the batteries and following the instructions starting configuration menu.

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

Table showing pre-programmed settings for Program Number, Time, and Temperature in Heat and Cool modes.

COMPRESSOR PROTECTION

5.The thermostat provides a 4 minutes delay after shutting of the heating or cooling system before it can be restarted.

TEMPERATURE RANGE

6.This thermostat can be programmed between 45°F and 95°F (7°C and 35°C). However, it will display room temperatures from 30°F to 99°F (0°C and 37°C).

NOTE: if the thermostat measure a temperature over 99°F(37°C), "HI" will be displayed on the LCD. if the temperature is below 32°F(0°C), and "LO" will be displayed on the LCD.

POWER FAILURE

7.Whenver the main power is interrupted or fails, the battery power retains and current time. This thermostat has permanent memory, although you will have to reset your clock when there are power outages.

POWER SUPPLY

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

BATTERY WARNING

9.Fresh alkaline batteries should provide about one year of service. However, when the batteries become drained, "BATT" will alternate on the display with the current time.

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

INSTALLATION

What You Need

- List of tools and materials needed for installation: Slotted Screwdriver(s), Small Philips screwdriver, Hammer, Electric drill and 3/16" bit, Two 1.5V (AAA) size alkaline batteries.

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

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

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

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

- a. The cover, which may be either a snap-on or hinge type.
 - b. The base, which is removed by loosening all captive screws.
 - c. The switching sub base, which is removed by unscrewing the mounting screws that hold it on the wall or suitable plate.
3. Remove the front cover of the old thermostat. With wires still attached, remove wall plate from the wall. If the old thermostat has a wall mounting plate, remove the thermostat and the wall mounting plate as an assembly.
4. Identify each wire attached to the old thermostat.
5. Disconnect the wires from the old thermostat one at a time. DO NOT LET WIRES FALL BACK INTO THE WALL.
6. Install new thermostat using the following procedures.

WARNING

Do not use it 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.

Selector Switches

Electric/Gas Switch (Fan Option)

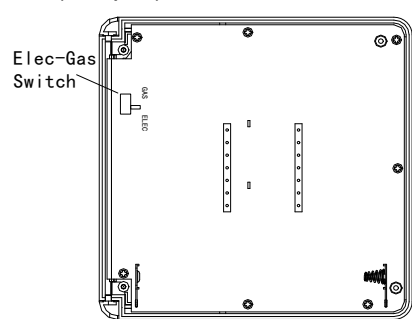


Figure 1. Electric/Gas Switch (Fan Option)

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.

All wiring diagrams are for typical systems only. Refer to equipment manufacturers' instructions for specific system wiring information.

Attach Thermostat Base to Wall

1. Remove the packing material from the thermostat. Gently pull the cover straight off the base. Forcing or prying on the thermostat will cause damage to the unit.
2. Connect wires beneath terminal screws on base using appropriate wiring schematic (see figs. 2 through 4).
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.
6. Push excess wire into wall and plug hole with a fire-resistant material.

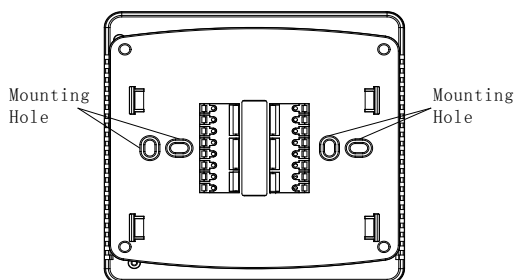


Figure 2. Thermostat base

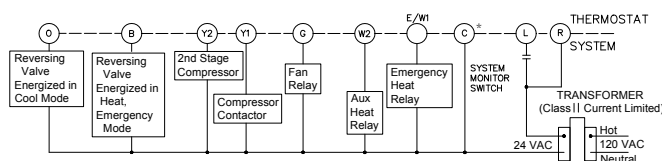


Figure 3 Typical wiring diagram for single transformer heat pump systems

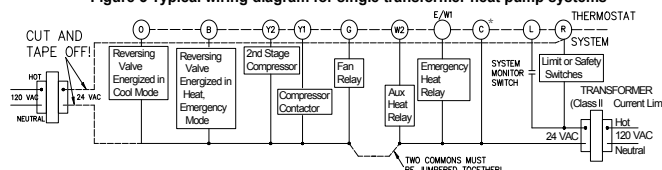


Figure 4. Typical wiring diagram for two transformer heat pump systems with NO safety circuits

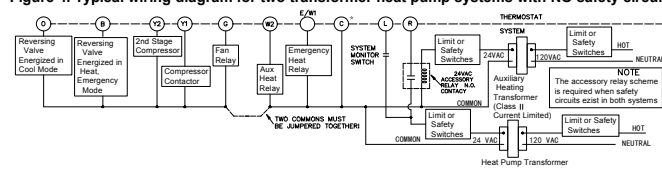


Figure 5. Typical wiring diagram for two transformer heat pump systems with safety circuits in BOTH systems

Heat Pump Terminal Outputs

Refer to equipment manufacturers' instructions for specific system wiring information. You can configure the thermostat for use with the following heat pump system types: HEAT PUMP TYPE 1. Single stage compressor system; gas or electric backup. This thermostat is designed to operate a single-transformer system.

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

Table listing thermostat terminals (SYSTEM, L, C, R, E/W1, W2, Y1, Y2, G, O, B) and their corresponding Heat Pump terminal outputs.

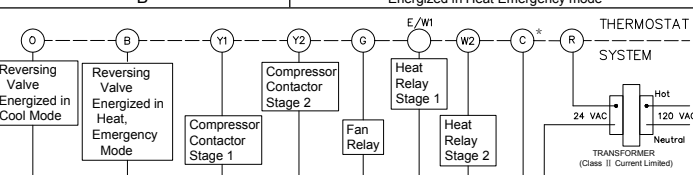


Figure 6. Typical wiring diagram for single transformer multi-stage systems

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

1. Turn on power to 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

Heating System

1. Move system switch to heat mode. If the auxiliary heating system has a standing pilot, be sure to light it.
2. Press to adjust thermostat setting to 1°C above room temperature. The heating system should begin to operate. The display should show "STG1".

3. Adjust temperature setting to 3° above room temperature. If your system configuration is set at MS2or HP1, the auxiliary heat system should begin to operate and the display should show "STG1+2".

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

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. Press SYSTEM switch to select Heat mode. then press EMER key.. "EMER" will show on the display.
2. Press to adjust thermostat setting above room temperature. The Aux. heating system will begin to operate.

3. Adjust temperature setting to 2°C above room temperature. The auxiliary heat system should begin to operate and the display should show "STG1+2".

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

Cooling System

1. Move SYSTEM switch to select the Cool mode.
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 the temperature setting above room temperature. The cooling system should stop operating.

CONFIGURATION MENU

Installer/Configuration Menu table with columns: Step, Press Button, Displayed (Factory Default), Press up or down key to select, and Comments.

The configuration menu allows you to set certain thermostat operating characteristics to your system or personal requirements. Set SYSTEM switch to OFF, then simultaneously press up and down keys 3s to enter configuration menu.

- 1)Single Stage, Multi-stage or Heat Pump System Configuration
- 2) Select Energy Management Recovery OFF or ON
- 3)Fast or Slow Cycle Selection(one stage)
- 4)Select Backlight function OFF or on
- 5) Fast or Slow Cycle Selection(two stage)
- 6) Fast or Slow Cycle Selection(three stage)
- 7)Select F° or C° Redout. when you change this parameter. the programming come back to fault. you have to set the programming again.
- 8) Selects time format display 12hours or 24hours
- 9)Select Compressor Lockout COMP OFF or ON
- 10)This feature is applicable only in heat pump modes, when the thermostat is configured for Dual Fuel Feature.
- 11) Select Program mode
- 12) This model must select 1 to back factory Default

NOTE: The Multi-stage configuration can be toggled to "SS1", "HP1" or "HP2" by pressing the up or down key. In Multi-stage configuration, EMER mode is useless.

Changes the display readout to Centigrade or Fahrenheit as required

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

Selecting COMP ON will cause the thermostat to wait 4 minutes before turning on the compressor if the heating and cooling system loses power.

NOTE: When the thermostat calls for auxiliary heat, the heat pump compressor or compressors will be de-energized and the auxiliary heat will remain on until the call is satisfied.

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

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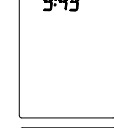
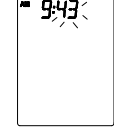
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Auto Programming

Studies conducted by the Department of Energy estimate that setting your thermostat back 10°F (6°C) for two 8-hour periods during winter can reduce your fuel bill by as much as 33%. By setting your thermostat up 5°F (3°C) for two 8-hour periods during summer you can reduce your fuel bill up to 25%. Your thermostat is capable of holding up to 4 separate programs for each day of the week. You can program all weekdays, Monday to Friday, to the same 4 programs as shown in the table, or each weekday can have a different set of 4 programs. Similarly weekend programs, Saturday and Sunday, can be the same 4 programs or each weekend day can have a different set of 4 programs. Your thermostat is pre-programmed to meet the ENERGY STAR guidelines for energy efficiency. Note that it is easier to modify these programs than to program the thermostat manually.

PROG DAY

- Press once. During Auto Programming, the display will change as shown.
- The thermostat will be programmed for all 7 days of the week as shown below.

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

Refer to Manual Programming entering or changing the programs.

PROGRAMMING

Before programming or changing program, use this Personal Program Schedule to determine which time and temperature Settings will best satisfy both your comfort and energy saving requirements. Use a pencil so you can revise your records each time you change your temperature settings.

Heating

DAY	Program1	Program2	Program3	Program4
Mon.	Time Temp	Time Temp	Time Temp	Time Temp
Tue.	Time Temp	Time Temp	Time Temp	Time Temp
Wed.	Time Temp	Time Temp	Time Temp	Time Temp
Thu.	Time Temp	Time Temp	Time Temp	Time Temp
Fri.	Time Temp	Time Temp	Time Temp	Time Temp
Sat.	Time Temp	Time Temp	Time Temp	Time Temp
Sun.	Time Temp	Time Temp	Time Temp	Time Temp

Cooling

DAY	Program1	Program2	Program3	Program4
Mon.	Time Temp	Time Temp	Time Temp	Time Temp
Tue.	Time Temp	Time Temp	Time Temp	Time Temp
Wed.	Time Temp	Time Temp	Time Temp	Time Temp
Thu.	Time Temp	Time Temp	Time Temp	Time Temp
Fri.	Time Temp	Time Temp	Time Temp	Time Temp
Sat.	Time Temp	Time Temp	Time Temp	Time Temp
Sun.	Time Temp	Time Temp	Time Temp	Time Temp

Manual Programming

- Your thermostat can be programmed for weekdays and weekends, or have unique programs for all 7 days. Use Weekday/Weekend Programs or 7-day Programming to enter or revise programs to match your Personal Program Schedule. The same steps are used when entering programs for the first time, or revising programs entered during Auto Programming.
 - Familiarize yourself with Manual Programming, so that you can easily modify your programs as your comfort needs change. The example below demonstrates the Manual Programming method.
- NOTE:**
- The program time can be set in 15-minute increments, and remains the same for both Heat and Cool programs.
 - The program temperature can be set in increments of 1°F (1°C).
 - The Heat setpoint can not be set higher than the Cool set point, and the Cool set point can not be set lower than the Heat set point.
 - If the system selector is in AUTO mode, the current operating mode will be used for programming.
 - After 15 seconds without a key press, the thermostat will return to normal display mode.
 - When setting the program time, note the AM/PM indicator.
 - With the Auto Recovery feature enabled, you do not need to set your comfort program times early. Auto Recovery will determine how early Recovery will determine how early to turn your system on, so that the room is comfortable at the program time.
 - "PROG", "PROG DAY" keys do not work with non-program mode.

Weekday/Weekend Programming

Step 1

Slide System Selector Switch to HEAT or COOL to program the corresponding system.

NOTE: If the system selector is in the OFF position, no programming is permitted. The LCD display will show only dashes when the program key is pressed.

Step 2

Press PROG to enter program mode. Display shows weekday programs and Program hour are flashing.

Display for HEAT mode shown.

Step 3

Use up and down arrows to change the hour.

Step 4

Press PROG again to change to the minute position the current minute will be flashing.

Step 5

Use up and down arrows to change the minute.

Step 6

Press PROG again to change to the program temperature, the current program temperature will be flashing.

Step 7

Use up and down arrows to change the temperature.

Step 8

Press PROG DAY to change the weekend program. Repeat Step 3 and 6 to complete the weekend programs.

Step 9

Press HOLD RUN to normal mode after 15 seconds, the thermostat will return to normal mode automatically.

Step 10

Change the System Selector Switch to the other system. And repeat Step2 through 9 above.

7-DAY Programming

Step 1

Slide System Selector Switch to HEAT or COOL to program the corresponding system.

Step 2

Press PROG to enter program mode, display shows Monday programs and Program hour are flashing.

Step 3

Use up and down arrows to change the hour.

Step 4

Press PROG again to change the minute position the current minute will be flashing.

Step 5

Use up and down arrows to change the minute.

Step 6

Press PROG again to change to the program temperature

Step 7

Use up and down arrows to change the temperature.

Step 8

Press PROG DAY to change the next program number. Repeat Step 3 and 6 to complete the remaining Weekday and Weekend programs.

Step 9

Press HOLD RUN to normal mode or after 15 seconds, the thermostat will return to normal mode automatically.

Step 10

Change the System Selector Switch to the other system. And repeat Step2 through 9 above.

Reviewing Programs

You may want to review the programs to confirm that the settings are compatible with your lifestyle.

Use PROG and PROG DAY to review the programs.

NOTE: Programs affect as soon as the thermostat returns to normal mode. If you are armchair programming the thermostat, slide the system selector to the OFF position before mounting the thermostat to the wall plate.

Reviewing the Current Temperature Setting

Current time and temperature.

Press up arrow for 1 second or less. Set Temperature is shown above current room temperature.

OPERATION

System Selector Switch

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

NOTE: Anytime you install or remove the thermostat from the wall plate, slide the System Selector to the OFF position to prevent the possibility of a rapid system On-Off.

Fan Switch

The Fan switch should normally be located in the AUTO position. The Fan will be turned on along with normal operation of your system. In a normal gas or oil furnace, the Fan will be turned on by your furnace after its warm-up delay. For electric heat, air conditioning, and heat pump operation, the Fan will turn on with the system. To run the Fan on continuously, slide the Fan switch to the ON position.

Temporary Manual Override

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

Press and hold up or down arrow for less than 1 second to enter Manual Override mode.

Press up and down arrows to change to your desired new temperature.

Press HOLD RUN to normal mode or wait 15 seconds for it to return automatically. The current program number will flash to signify the Temporary Override. At the next program change, the Temporary Override is canceled, and the next program temperature becomes the setpoint temperature.

To end the Temporary Manual Override:

Press and wait for HOLD to display on the lcd. Press HOLD key twice. This will return the set temperature to the current program set temperature.

Permanent Override or a Designated Day Override

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

Press up arrow to make the current program temperature the HOLD temperature. HOLD will be displayed on the LCD, and the Program number will disappear. Follow the Temporary Manual Override instructions above to change the Permanent Manual Override temperature.

You can confirm the held set temperature by pressing for less than 1 second.

Press again. Hold day will be displayed on the lcd and the clock will disappear. Press TIME key to add override days. Press PROG key to reduce override days. Follow the Temporary a Designated Day Override instructions above to change the Permanent Manual Override temperature.

To end Override:

Under Permanent Override Press HOLD/RUN key twice. Under a Designated Day Override press the hold once. The thermostat will return to the current program, and the HOLD display will be canceled.

Auto Season Changeover

When the System Selector is in AUTO position, the thermostat will automatically change between Heating and Cooling systems, depending on your program. We recommend keeping your programmed heating and cooling temperature at least 4°F (2°C) apart to allow the Auto Season Changeover to occur when the appropriate temperature span has been reached. However, if your heating and cooling programs set temperatures are close, there is a built-in program to prevent the thermostat is in Temporary, a Designated Day Override or Permanent Override, as these overrides are energy saving settings. Auto Season Changeover will still function in Home Today mode, as this is a comfort setting.

For example, you may have the following temperatures programmed at a given time: Heat Set Temp=68°F, Cool Set Temp=78°F. If the room temperature rises above 78°F, then the thermostat will automatically change to cool mode and turn on the air conditioner. Likewise, the thermostat will automatically change to heat mode and turn on heat when the room temperature falls below 68°F.

HOME TODAY

This patent pending feature allows you to quickly and Temporarily Override your energy saving program setting on days when you are normally away from home with one key press.

Press and hold 3s to enter the Home Today override. The highest program temperature for today will be selected from your programs in Heat mode and become the set temperature. (In Cool mode, Home Today will select the lowest program temperature for today to be the set temperature.) The display will alternate between "HOME" and the current time.

When pressed during the day, the thermostat will remain in Home Today mode until the first program of the next day. If the system is changed between Heat and Cool modes (either manually or by Auto Season Changeover) during the "Home Today" override period, the setpoint temperature will be automatically update. It will automatically change from the lowest cool program setpoint to the highest heat program setpoint.

Press it to exit Home Today mode before the schedule ending time. "HOME" is no longer displayed on the LCD screen, and the thermostat returns to the current program. You can manually change the setpoint temperature while in Home Today mode. Refer to the Temporary Manual Override instructions. Manually changing the set temperature while in Home Today mode will not affect the Home Today ending time. However, the set temperature will not change automatically with a manual or Automatic change between heating and cooling.

Energy Monitor

The Energy monitor feature measures and stores the amount of time the heating and air conditioning system operates. Usage can be display for Today (since 12 am), Yesterday, This Week (since Monday), Last Week (last Monday through Sunday), and Total (up to 999 Hrs). By monitoring your energy usage, you see how much the set-back periods are saving, and you can test program adjustment to save even more. To review energy usage, press to cycle through Today, Yesterday, this Week, Last Week, and Total. Press again to return to normal mode, or wait 15 seconds for the display to return to normal mode. You can also return to normal mode at any time by pressing HOLD/RUN.

For example: This LCD display shows Today's usage to be 10 Hours, 26 minutes.

Press and hold for 3 seconds to reset the Energy Monitor's counters.

The display will blink, and counters will be cleared to zero.

NOTE: Clearing the Energy Monitor counter will also clear the Filter Monitor counter, as Filter usage and Total Energy usage are the same. Also, clearing the filter Monitor counter will clear ALL Energy Monitor counters as well.

Filter Monitor

Your thermostat also keeps a record of the number of hours your filter has been in use. To maximize your system's performance and energy efficiency, change or clear your filter regularly.

When the total system run time for heat and cool reaches 400 hours, you need clean or change your system's filter, "FILT" will continue to flash until the counter is set back to zero. Press ENER key to review total filter usage.

In this example, the counter is at 410 Hours, 26 minutes.

To reset the Filter Monitor counter, depress ENER for 3 seconds. The display will blink, and the counter will be reset to zero.

NOTE: Clearing the Filter Monitor counter will also clear ALL Energy Monitor counters, as Filter usage and Total Energy usage are the same. Also, clearing the Energy Monitor counters will clear the Filter Monitor counter as well.

Auto Recovery

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

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

Auto Recovery can be disabled by sliding the Recovery switch on the circuit board to disable.

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

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

Auto Recovery will be canceled and change to next period.

Details of Auto Recovery Operation:

Auto Recovery can be disabled by sliding the Recovery switch on the circuit board to the DISABLE position.

Today is in operation. Auto Recovery can be canceled manually if HOLD is pressed during the recovery process. If a recovery process is canceled manually then the recovery process will not start again until the next program period starts (an exception is that if time or program is changed then the thermostat will check Auto Recovery conditions immediately).

Auto Recovery will be canceled and change to Home Today mode if HOME TODAY is pressed during the recovery process.

Keyboard lock

The keyboard can be locked to prevent unauthorized changes to the thermostat.

To lock or unlock the keyboard, press and hold hold/run Key for 3 seconds. The keyboard is locked when LOCK appears on the display.

All keys are locked, Any time a key is pressed, LOCK will appear on the display for 1 second.

Backlighting

Your thermostat has an electroluminescent lamp that lights the display for easy viewing in the dark.

When any key is pressed the display is illuminated.

The display will remain illuminated for 8 seconds after the last key is pressed. This allows the light to stay on if you need to operate several keys.

NOTE: If the thermostat is in Low Battery warning condition, the backlight will not operate. Replace with 2 new AAA alkaline batteries to restore the Backlight function.

Low Battery Warning

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

When the batteries become too weak for normal operation, the thermostat enters the second stage low battery warning which shuts down the thermostat. In this condition, "BATT" flashes alone on the display, and the thermostat will turn your system Off. Your system will remain shut-off until the batteries are replaced.

NOTE: The thermostat will still keep the current Set Temperature and Filter run time in memory until new batteries are installed. After confirming that new batteries have been inserted, the thermostat will return to normal operation.

Error Mode

If the thermostat is unable to control your system due to an unexpected battery problem, the thermostat will enter Error Mode. In this condition, the thermostat flashes "E1","E2","E3"or"E4"on the LCD display, and shuts off your system. To correct this problem, replace the batteries with 2 new AAA alkaline batteries, even if you have recently replaced them. Move the battery out, and then hold any key to release the rest energy. Then place the battery again. You will need to reprogram your thermostat and confirm normal operation.

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

LCD display	Information	LCD display	Information
E1	Sensor Error	E3	No use
E2	System switch	E4	E2 memory

Warning Mode

If the SYSTEM MONITOR SWITCH is close show the system wrong the thermostat flashes "E5"on the LCD display

Auto Cut Off

Your thermostat will automatically cutoff in Heat mode if the room temperature rises above 95°F (35°C). It will cut off in Cool mode if the room temperature drops below 40°F (4°C). Note that if your system has malfunctioned and no longer responds to thermostat controls, the Auto Cut-Off will have no effect.

TROUBLESHOOTING

Problem	Solution
SCRAMBLED OR DOUBLE DISPLAY (numbers over numbers)	1. Remove clear mylar sticker.
NO DISPLAY	1. Check battery connections and batteries 2. Move the battery out, and then hold any key to release the rest energy. Then place the battery again.
ENTIRE DISPLAY DIMS	1. Replace Batteries
PROGRAM DOES NOT CHANGE AT YOUR DESIRE SETTING	1. Check that the time is set properly to "AM" or "PM" 2. Check that the thermostat is not in "HOLD" or " Home Today" mode. 3. Check for the correct day settings.
AUTO/FAN DOES NOT TURN ON	1. Move ELEC/Gas selector to opposite position is in the correct position ("HEAT,"COOL" or "AUTO") 2. The thermostat may be in the AUTO Mode. Look for "AUTO" on the LCD display. If the Heat and Cool program temperature are close, then the thermostat requires a larger room temperature change before changing from Heat or Cool. 3. There may be as much as 4 minute delay before the Heat or Cool system turns On-wait and check. (Compressor protection delay). 4. Check your circuit breaks and switches to ensure there is power to the system. 5. Replace batteries. 6. Make sure your furnace blower door is closed 7. Check the position of the Furnace or Heat Pump selector switches: Normal/O/B.
ERRATIC DISPLAY	1. Move the battery out, and then hold any key to release the rest energy. Then place the battery again.
IF UNIT CONTINUES TO OPERATE IN THE OFF POSITION	1. Replace unit
THERMOSTAT PERMANENTLY READS "E1","E2","E3", "E4"...	1. Replace unit.