EMERSON

White Rodgers

Blue Easy Reader Thermostat
1F95EZ-0671

Homeowner's Guide

Message to Homeowners

Congratulations on choosing the Emerson Blue Easy Reader Thermostat. Blue Easy Reader is designed to be the easiest thermostat you have ever used. This thermostat features large numbers and letters for easier viewing, and "one button to one function" operation for total simplicity. As with all Emerson Blue thermostats, no other brand offers better temperature accuracy or reliability.

Blue Easy Reader Thermostat consists of two parts, the base or wall plate mounted on your interior wall and the display and control front that snaps onto the base piece. Depending on your installation, your Blue Easy Reader may be battery powered or system powered. Either way, it is recommended to keep fresh batteries installed. Batteries are accessible by removing the control front from the base. Whenever "Change ▭⊃" appears in the display, new premium brand AA alkaline batteries should be installed. If the house will be unoccupied for an extended period and ▭⊃ is displayed, install new batteries before leaving.

If you plan to use Blue Easy Reader as a non-programmable thermostat, please turn the page to get started. Keep in mind that Easy Reader can also be a programmable thermostat if you should change your mind later. Please call 800-284-2925 if you need assistance in changing to programmable.

If you plan to use Easy Reader as a programmable thermostat, please skip to page 6.

TABLE OF CONTENTS

THERMOSTAT DISPLAY OVERVIEW

Actual Room Temperature

Desired Temperature

Temperature Adjustment Buttons

Menu Button

Button not used

Battery Status
$\text{\tiny IIID}$ = Full Charge
$\text{\tiny IID}$ = Half Capacity
Change $\text{\tiny ID}$ = Replace Batteries

Indicates Heat Pump System (does not appear for multi-stage or single stage)

Button Labels
Solid colored labels indicate selection is On. Non-solid or outlined labels indicate not selected or Off. (Heat is on in this example.)

Heat Button
Press to select Heating

A/C Button
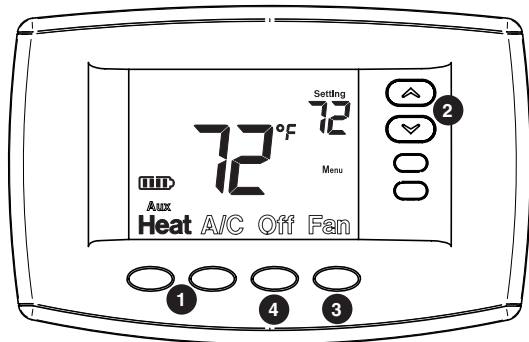Press to select Air Conditioning

Off Button
Press to turn off both Heating and Air Conditioning systems and fan

Fan Button
Press to select **Fan** operation
Fan = Fan On/continuous Fan
Fan = Fan Auto – Fan runs only during a call for Heat or Air Conditioning (typical setting)
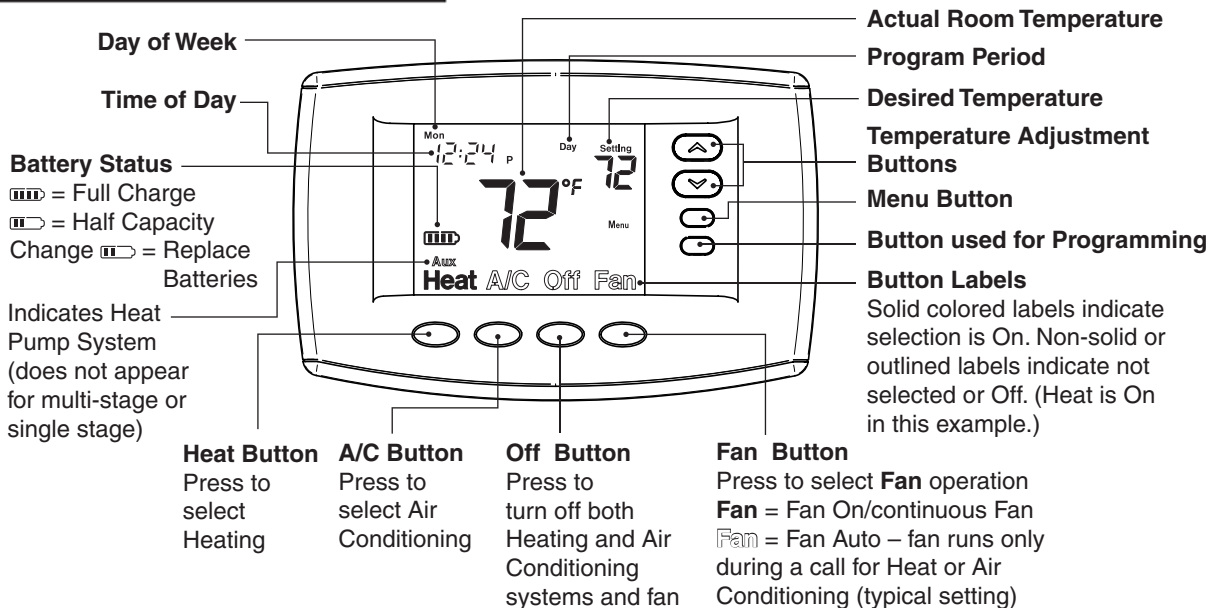
USING YOUR THERMOSTAT

1 On the home screen display select your desired system operating mode (Heat or A/C).

2 Press either the ⌃ or ⌄ button to select the desired room temperature "setting".

3 Press the Fan button to select the desired fan operation, Auto or On.

4 Press **Off** to turn Heating and A/C system Off. Fan will turn Off if it is On.

If your heating or A/C system is a heat pump, the system automatically activates Auxiliary Heating when the outside temperature is too cold for the heat pump to efficiently heat the home. You can manually activate the auxiliary heating by pressing and holding the **Heat** button until Aux changes to **Aux**. To turn the manual auxiliary off press the Heat button again.

Now enjoy the simple operation of your Easy Reader Non-Programmable Thermostat.
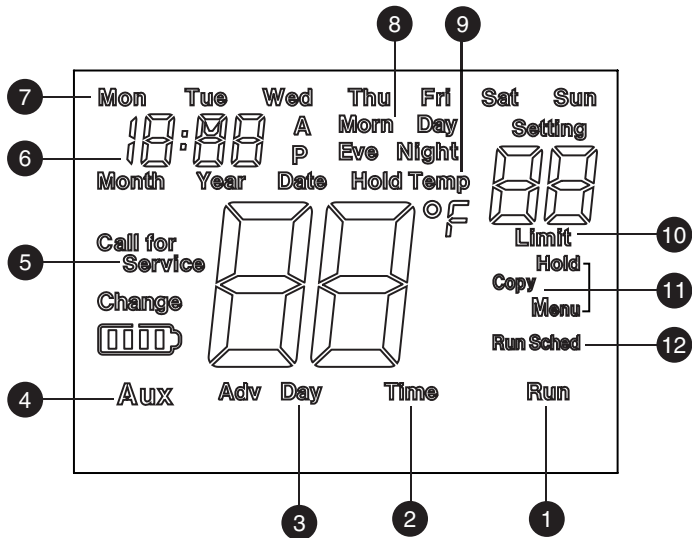
THERMOSTAT DISPLAY OVERVIEW

Day of Week

Time of Day

Actual Room Temperature

Program Period

Desired Temperature

Temperature Adjustment Buttons

Menu Button

Button used for Programming

Battery Status
$\boxed{\text{IIII}}$ = Full Charge
$\boxed{\text{II}}$ = Half Capacity
Change $\boxed{\text{I}}$ = Replace Batteries

Indicates Heat Pump System (does not appear for multi-stage or single stage)

Button Labels
Solid colored labels indicate selection is On. Non-solid or outlined labels indicate not selected or Off. (Heat is On in this example.)

Heat Button
Press to select Heating

A/C Button
Press to select Air Conditioning

Off Button
Press to turn off both Heating and Air Conditioning systems and fan

Fan Button
Press to select **Fan** operation
Fan = Fan On/continuous Fan
Fan = Fan Auto – fan runs only during a call for Heat or Air Conditioning (typical setting)

OTHER DISPLAY ICONS FOR PROGRAMMING

OTHER DISPLAY ICONS FOR PROGRAMMING

|		
1	**Run**	Indicates button to press to exit any menu and return to normal operation.
2	**Time**	Indicates button used to set time and date. Press button to step through the hour, minute, Year, Month, and Date.
3	**Adv Day**	Indicates button used when programming to advance through the days of the week.
4	**Aux**	Indicates system is selected as heat pump or indicates that auxiliary heating system is operating.
5	**Call for Service**	Will display if your heating or A/C system has diagnostic capability and needs a qualified technician to service the equipment.
6		Shows time of day. When setting the Time, displays time or date. Each press of the "Time" button will change hour, minute, Year, Month, and Date. In **Sched** (Schedule) mode, will show start time for period.
7		In Normal operation, the current day of the week will be displayed. When setting the Time, indicates the day of the week selected. In **Sched** mode indicates the day of the week being programmed starting with **Mon**day. Press **Adv Day** button to step through the days of the week.

OTHER DISPLAY ICONS FOR PROGRAMMING

|		
8		In Normal operation mode indicates the current Program period "Morn, Day, Eve, or Night". In **Sched** mode will indicate the period of the day being programmed
9	**Hold Temp**	Indicates the program schedule is temporarily overridden. The thermostat will maintain the current desired temperature for a two hour period. **"Hold"** will be displayed when the thermostat is placed in permanent hold using the Hold button.
10	**Limit**	Is displayed when the desired temperature is adjusted with the ⌒ or ⌄ keys to the temperature limit selected in the setup menu.
11	**Hold Copy Menu**	**Menu** indicates button to press to access the programming and time setting functions or to enter the Configuration menu. **Hold** indicates button to press to enter permanent Hold. **Copy** is used in programming.
12	**Sched**	Indicates button to press to enter **Sched** mode to enable setting of program schedule. In Hold or Hold Temp mode, **"Run Sched"** indicates button to press to return to **Run** mode.

SETUP GUIDE FOR PROGRAMMABLE OPERATING MODE

To change your thermostat to be a Programmable, Item 14, Schedules per Week, in Configuration Menu must be changed from P0 to P7. See page 18-19, **"Setting Up Your Thermostat Options."**

SET CURRENT TIME AND DAY

1 On the Home display in Heat or A/C, press Menu button to display additional button choices
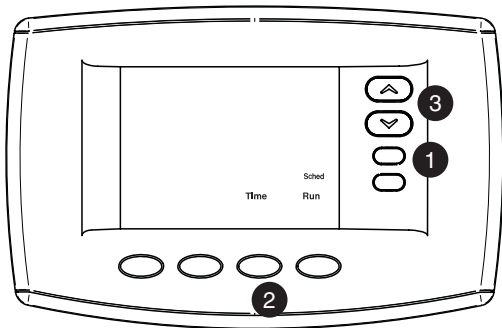

2 Press the Time button to display hour and A or P in the clock display
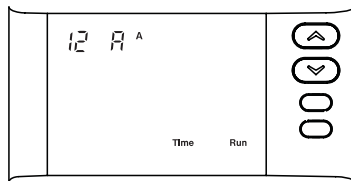
SETUP GUIDE FOR PROGRAMMABLE OPERATING MODE

3 Press the ⌃ or ⌄ button to reach the correct hour and A (AM) or P (PM).

4 Press Time to display the minutes.

5 Repeat steps 3 and 4 to set minute(s), Year, Month and day of week.

6 Press Run to return to home screen and run the preset program that meets Energy Star guidelines.
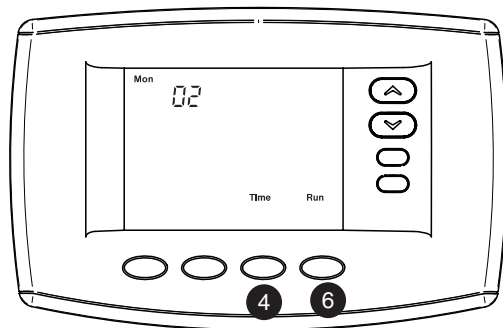
SETUP GUIDE FOR PROGRAMMABLE OPERATING MODE

ENERGY SAVING PRE-PROGRAM

This thermostat is set up for 7 independent day programming with 2 or 4 time/temperature periods per day. If the factory programming meets your needs,

skip to page 16, using your thermostat. If you wish to change the heating or A/C schedules, please proceed to the **"Programming Your Thermostat"** section.

Factory Pre-Programmed schedule for the default two period Day / Night programs

	Day		Night	
Heating Program	6:00 AM	70°F	10:00 PM	62°F
A/C Program	6:00 AM	75°F	10:00 PM	78°F

Factory Pre-Programmed schedule for four periods per day, all days of the week

	Wake Up (Morning)		Leave For Work (Day)		Return Home (Evening)		Go To Bed (Night)	
Heating Program	6:00 AM	70°F	8:00 AM	62°F	5:00 PM	70°F	10:00 PM	62°F
A/C Program	6:00 AM	75°F	8:00 AM	83°F	5:00 PM	75°F	10:00 PM	78°F

HEATING AND A/C WORKSHEET

The Heating and A/C Worksheet on page 14 allows you to pencil in your own program times and temperatures. Factory settings are listed on Monday (for Monday thru Friday), Saturday and Sunday.

If you are re-programming all 7 days, fill in all lines with the times and temperatures you want. Use this worksheet as a guide to reprogram the thermostat. Keep the following guidelines in mind when planning your program.

✦ In Heating, lower temperatures will save energy.

✦ In A/C, higher temperatures will save energy.

COPY PROGRAM

When programming your thermostat, you may copy the program from one day to another day. To copy a program:

1 In **Sched** mode, enter the program for the day.

2 Press Copy. **"Copy"** will begin to flash and the day being copied will show.

3 Press Advance Day to select the day to copy to. This day will be flashing.

4 Press Copy. **"Copy"** will stop flashing and the day copied to will also stop flashing. The day copied from will disappear.

PROGRAMMING YOUR THERMOSTAT

Fill in the blank worksheet with your desired times and temperatures:

Worksheet for Re-Programming 7 Day Program

Heating Program	Wake Up (Morning)		Leave For Work (Day)		Return Home (Evening)		Go To Bed (Night)	
MON	6:00 AM	70°F	8:00 AM	62°F	5:00 PM	70°F	10:00 PM	62°F
TUE								
WED								
THU								
FRI								
SAT	6:00 AM	70°F	8:00 AM	62°F	5:00 PM	70°F	10:00 PM	62°F
SUN	6:00 AM	70°F	8:00 AM	62°F	5:00 PM	70°F	10:00 PM	62°F

A/C Program	Wake Up (Morning)		Leave For Work (Day)		Return Home (Evening)		Go To Bed (Night)	
MON	6:00 AM	75°F	8:00 AM	83°F	5:00 PM	75°F	10:00 PM	78°F
TUE								
WED								
THU								
FRI								
SAT	6:00 AM	75°F	8:00 AM	83°F	5:00 PM	75°F	10:00 PM	78°F
SUN	6:00 AM	75°F	8:00 AM	83°F	5:00 PM	75°F	10:00 PM	78°F

PROGRAMMING YOUR THERMOSTAT

ENTER HEATING PROGRAM

1 In Heat mode, press the **Menu** button to display additional button choices.

2 Press **Sched** button. The display will show the day being programmed and the time and desired temperature for the period. Either **"Day"** for two period configuration or **"Morn"** for four period configuration will be displayed to indicate the period. "**Heat"** is displayed indicating the mode being programmed.
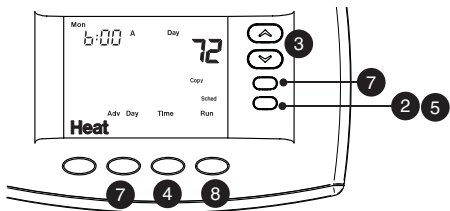
3 Press the ⌃ or ⌄ button to change the temperature to your selected temperature for the 1st heating period (Day or Morn).

4 Press the **Time** button to toggle between Time and Temperature. Press the ⌃ or ⌄ buttons to adjust the start time for the period. The time will change in 15 minute increments.

5 After you have set the time and the temperature for the period to begin, press **Sched** to advance to the next program period.

6 Repeat steps 3 through 5 until all of the program times and temperatures are set for all program periods for that day.

7 Use the **Copy** button to copy current day's program to any other day as described above. Or press **Adv Day** and repeat steps 3 through 6 until programs for all days are entered.

8 When programming is complete and all of the times and temperatures match your desired heating schedule, press **Run**. The thermostat will now run your heating program.

ENTER A/C PROGRAM

Press A/C to place thermostat in air conditioning mode. Set the A/C program following the **"Enter Heating Program"** steps.

Blue Easy Reader Thermostat Homeowner's Guide • 15

USING YOUR THERMOSTAT – PROGRAMMABLE MODE

1 Press **Heat** or **A/C** button to turn your system On. Press **Off** to turn Heating and A/C Off. Fan will turn Off if it is On.

2 Press **Run** or **Run Sched** to begin running thermostat program

3 Press either the ⌒ or ⌒ buttons to change the desired room temperature "setting".

4 Press the **Fan** button to select the desired fan operation.

AUXILIARY HEATING

Programmable or Non-Programmable

If your heating or A/C system is a heat pump, the system automatically activates Auxiliary Heating when the outside temperature is too cold for the heat pump to efficiently heat the home. You can manually activate the auxiliary heating by pressing and holding the **Heat** button until Aux changes to **Aux**. To turn the manual auxiliary off press the **Heat** button again.

TEMPORARY PROGRAM OVERRIDE

This feature will override the program temperature setting for a two hour period. Press ⌒ or ⌒ buttons to adjust the temperature. The display will show **"Hold Temp"** to the left of the desired temperature. To cancel the temporary setting and return to the program, press **Run**. Example: If you turn up the heat during the morning program, it will be automatically lowered later, when the temporary hold period ends.

PERMANENT TEMPERATURE HOLD

The Permanent Temperature Hold feature bypasses the program and allows you to adjust the temperature manually as needed. The temperature you set in Hold will be maintained indefinitely. Press ⌒ or ⌒ buttons to adjust the temperature. The display will show **"Hold Temp"** to the left of the desired temperature. Press the **Hold** button to maintain the new temperature.

"Hold Temp" will change to **"Hold"**. To cancel the permanent hold setting at any time and return to the program, press **Run Sched** button. Example: You turn up the heat during the Morning program and press the **Hold** button, it will remain at the new temperature until you press **Run Sched** or you manually adjust to another temperature.

SYSTEM DIAGNOSTICS

"Call for Service" will be displayed if your heating or air conditioning system has diagnostic capability and needs a qualified service technician to service the equipment. On some systems with diagnostic capability **"Call for Service"** will flash on thermostat display when a technician is needed.

SETTING UP YOUR THERMOSTAT OPTIONS

CONFIGURATION MENU ITEMS

Your thermostat has several configuration items. Some of these items will be set by the installer and should not be changed. However these settings should be recorded for future reference if the installer settings are inadvertently changed.

To enter the Configuration Menu, Easy Reader thermostat must be in Heat or A/C. Press and hold **Menu** button for five seconds. Once in the menu, each press of the **Menu** Button will step to the next menu item. Menu item options can be changed by pressing the ⊙ or ⊙ buttons.

	MENU ITEM	DISPLAY (DEFAULT)	OPTIONS	COMMENTS
1	System Configuration	(MS 2)	HP1, HP2, SS1	Installer Set
2	Electric Heat Fan	(GAS)	ELE	Installer Set
3	EMR	E (On)	Off	
4	Heat Cycle Rate	Cr HEAT (ME)	SL, FA	SS1, MS2 only
5	Heat Pump Configuration Cycle Rate	Cr Heat / A/C (ME)	SL, FA	Heat Pump HP1, HP2 only
6	A/C Cycle Rate	Cr A/C (ME)	SL, FA	SS1, MS2 only
7	Auxiliary Heat Cycle	Cr AUX Heat (FA)	SL	HP1, HP2 only
8	Compressor Lock-out	CL (OFF)	On	Installer Set
9	System Mode Configuration	(Heat, A/C, Off)	Heat, Off, Fan / Heat, Off / A/C, Off	Installer Set

SETTING UP YOUR THERMOSTAT OPTIONS

MENU ITEM	DISPLAY (DEFAULT)	OPTIONS	COMMENTS
10 Compressor Optimization	CO (OFF)	On	Installer Set
11 LCD Display Light	dL (On)	Off	
12 Temperature Display Adj.	HI (0)	1 to 5 Hi or LO	
13 °F/°C Selection	(°F)	°C	
14 Schedules per week	P (0)	7	
15 Periods per day	PS (2)	4	
16 Fast HEAT	HEAT FA (On)	Off	
17 Fast A/C	A/C FA (On)	Off	
18 Daylight Savings Time	dS (On)	Off	
19 Temperature Range Heat Limit	HL (99)	62-98	
20 Temperature Range A/C Limit	LL (45)	46-82	
21 Dual Fuel / Electrical Fuel	dF (0)	1-9	HP1, HP2, Installer Set
22 Compressor Delay	Cd (60)	00-99	HP1, HP2, Installer Set
23 O/B Output Configuration	On A/C (O)	On Heat (B)	Installer Set
24 Exit Menu			

SETTING UP YOUR THERMOSTAT OPTIONS

CONFIGURATION MENU DESCRIPTIONS

1	**Configuration for your Heating or A/C system**	Set by installer to match your system. Record the setting.
2	**Electric or Gas fan operation**	Set by installer to match your system. Record the setting.
3	**EMR**	Energy Management Recovery (EMR) [will not appear if thermostat is set for Non-Programmable] Default setting is On. EMR starts your system early so the temperature in your home is at the desired temperature at the beginning of a program period.
4	**Heat Cycle Rate Setting (if system is MS or SS)**	Default setting is ME (medium), if you desire a longer heating cycle set to SL (Slow) or shorter cycle set to FA (Fast).
5	**Heat Pump Cycle Rate Setting (if system is Heat Pump)**	Default setting is ME (medium), if you desire a longer heat pump cycle set to SL (Slow) or shorter cycle set to FA (Fast).
6	**A/C Cycle Rate Setting or Aux Heat Cycle Rate**	Default setting is ME (medium) if you desire a longer cooling cycle set to SL (Slow) or shorter cycle set to FA (Fast).

SETTING UP YOUR THERMOSTAT OPTIONS

CONFIGURATION MENU DESCRIPTIONS

7	**Auxiliary Heat Cycle Rate (if system is Heat Pump)**	Default setting is FA (Fast). If you desire a longer Aux heat cycle set to SL (Slow).
8	**Compressor Lockout Protection**	Set by installer to match your system. Record the setting.
9	**System mode configuration**	Set by installer to match your system. Record the setting.
10	**Compressor Optimization**	Set by installer to match your system. Record the setting.
11	**Display light**	The display light is defaulted on so when any button is pressed the light will illuminate the display. When set to Off, the light will not turn on.
12	**Temperature Display Adjustment**	The Easy Reader thermostat was accurately set at the factory. However, if you want to change the temperature, you can adjust the reading by plus or minus five degrees. Your thermostat displays to match your previous thermostat.

SETTING UP YOUR THERMOSTAT OPTIONS

CONFIGURATION MENU DESCRIPTIONS

13	**Fahrenheit or Celsius display**	The Easy Reader can display temperature in either °F or °C.
14	**Schedules Per Week**	The Easy Reader thermostat is shipped from the factory as an easy to operate non-programmable thermostat (P 0). However if you want the energy saving benefits of a programmable thermostat, a seven day programming option (P 7) is available.
15	**Periods per Schedule**	If programming is selected you can choose between 2 period (Day, Night) per day or 4 period (Morning, Day, Evening, Night) per day.
16	**Fast Heat**	If your system is a multi-stage and/or Heat Pump you can select to have the additional stage of heating come on anytime the temperature setting is adjusted up by three degrees or more. If you do not desire this feature, select Off.
17	**Fast A/C**	If your system is a multi-stage Air Conditioner or multi-stage Heat Pump you can select to have the additional stage of A/C come on anytime the temperature setting is adjusted down by three degrees or more. If you do not desire this feature, select Off.

CONFIGURATION MENU DESCRIPTIONS

18	**Daylight Savings Time adjustment**	In Programmable mode the Easy Reader thermostat can automatically change the time in spring and fall. If you do not desire this feature select Off.
19	**Temperature Range Heat Limit**	The Easy Reader thermostat can be set to limit the highest desired temperature in heat to anywhere between 98° and 62°.
20	**Temperature Range A/C Limit**	The Easy Reader thermostat can be set to limit the lowest desired temperature in A/C to anywhere between 46° and 82°.
21	**Dual Fuel Setting**	Set by installer to match your heat pump dual fuel system. Record the setting.
22	**Compressor Delay for Dual Fuel**	Set by installer to match your heat pump dual fuel system. Record the setting.
23	**O/B Output Configuration**	Set by installer to match your heat pump system. Record the setting.
24	**Exit**	

CONFIGURATION MENU RECORDING (Default Settings in Bold)				
System Configuration	☐ **MS 2**	☐ HP 1	☐ HP 2	☐ SS 1
Electric Heat Fan	☐ **Gas**	☐ Ele		
EMR (E)	☐ **On**	☐ Off		
Heat Cycle Rate (Cr Heat)	☐ **ME**	☐ SL	☐ FA	
Heat Pump Configuration Cycle Rate (Cr Heat A/C)	☐ **ME**	☐ SL	☐ FA	
A/C Cycle Rate (Cr A/C)	☐ **ME**	☐ SL	☐ FA	
Auxiliary Cycle Rate (Cr Heat)	☐ **FA**	☐ SL		
Compressor Lockout (CL)	☐ **Off**	☐ On		
Mode Configuration	☐ **Heat, A/C, Off**	☐ Heat, Off, Fan	☐ Heat, Off	☐ A/C Off
Compressor Optimization (CO)	☐ **Off**	☐ On		
Display Light (dL)	☐ **On**	☐ Off		
Temperature Display Adjust	☐ **0 Hi**	☐ __ 1 to 5 Hi	☐ __ 1 to 6 Lo	
°F/°C Selection	☐ **°F**	☐ °C		
Schedules per Week (P)	☐ **0**	☐ 7		
Periods per Schedule Day (PS)	☐ **2**	☐ 4		
Fast Heat (Heat FA)	☐ **On**	☐ Off		
Fast A/C (A/C FA)	☐ **On**	☐ Off		
Temperature Range Heat Limit (HL)	☐ **99°**	☐ __ (62° to 99°)		
Temperature Range A/C Limit (LL)	☐ **45°**	☐ __ (45° to 82°)		
Dual Fuel/ (dF)	☐ **0 (Off)**	☐ __ (1 to 9)		
Compressor Delay (Cd)	☐ **60**	☐ __ (00 to 99 sec)		
O/B Output Configuration	☐ **On A/C 0**	☐ On Heat B		

HOMEOWNER HELP LINE: 1-800-284-2925

White
Rodgers

EMERSON
Climate Technologies