Emerson Blue™ Series 6" Thermostats



Business and Product Overview



Introduction

Emerson Blue[™] Series 6" Thermostats include the Easy Reader[™] with super-large numbers and letters, and easy to use features.

- Large Display Size
 - Blue backlight
 - Large characters
- Selectable Programming
 - Choice of 7 Day, or Non-Programmable on Easy Reader, other models include 5+1+1 Day
- Dual Fuel (HP/Gas Furnace) Control
 - No sensor needed for EZ Reader and outdoor remote sensor options for the other models

- Advanced Features (vary by model)
 - Auto-Changeover
 - Keypad Lockout / Temperature Limit Options
 - Programmable Fan
 - Cool Savings
 - Multiple Power Methods
 - Simple set-up Menu







1F95-0680 Universal Commercial

Why Convert from the Competition?

- Professional grade residential and commercial thermostats.
- Large display push button thermostats are easy to see, read, and understand.
- Models with the features customers want.
- · Competitively priced.
- Easy install/configuration.
- Remote sensor options for indoor averaging or outdoor heat pump and aux lockout control.

EMERSON
Heat A/C Off Fan
0000
1F95EZ-0671

Quality & Precision Control



Support When & Where You Need It



Emerson Blue[™] Series 6" Thermostats At A Glance

	Heat JUE 100 DE TOTO	1F95-0671	1F95-0680
Special Features	1F95EZ-0671 Easy Reader™ Universal	1F95-0671 Universal	1F95-0680 Universal Commercial with Economizer, Occupancy Pre-Purge, or Occupied Damper Control
Max. Stages (H/C)	4H / 2C	4H / 2C	4H / 2C
Selectable Program	7 or None	7, 5-1-1 or None	7, 5-1-1 or None
Program Periods	4 or 2 or No Pgm	4 or 2 or No Pgm	4 or 2 or No Pgm

Special features (vary by model):

- Keypad Lockout and Temperature Limits
- Indoor or Outdoor Remote Sensor Option
- Dual Fuel Logic or Outdoor Remote Sensor options
- Automatic Changeover Heat/Cool

TECH TIP: Universal Thermostats
 configure for Single Stage,
 Multi-Stage and Heat Pump Systems.

Matching Emerson Blue[™] Series 6" Thermostats to the Application

Selection is easy - All you need to know is:

1F95EZ-0671	Easy Reader™ Universal Staging (Single Stage, Multi-Stage, Heat Pump)
1F95-0671	Universal Staging (Single Stage, Multi-Stage, Heat Pump)
1F95-0680	Universal Commercial with Economizer control or Pre-Occupancy Pre-Purge and Occupied Damper control (Single Stage, Multi-Stage, Heat Pump)



1F95EZ-0671

Optional Remote Sensors for 1F95-0671 and 1F95-0680 Commercial Thermostats

Indoor Remote Sensor - F145-1328 Options

- Displays indoor temperature on thermostat.
- Controls to remote sensor temp only or controls to average of remote and thermostat temp.
- Assigns priority to sensor (High, Med, Low) by program period and controls to weighted average of remote and thermostat temp.

Outdoor Remote Sensor - F145-1378 Options

- Displays outdoor temperature on thermostat.
- Heat Pump Compressor Off feature with an outdoor setpoint range from 5° (Off) to 50° F locks out the heat pump and uses only Auxiliary Heat (Dual Fuel Gas or Electric Heat).
- Heat Pump Auxiliary Off feature with an outdoor setpoint range from 80° (Off) to 35° F locks out auxiliary heat and uses only the heat pump.



Indoor F145-1328



Quick Reference Guide

Be sure to check out our Quick Reference guide with all our thermostats, available on our Wholesale Resource Center:

https://climate.emerson.com/documents/wr-0889-visorcard-divide-en-3599656.pdf

The White-Rodgers Quick Reference Guide includes specs and features on all Blue Series thermostats including:

				1	S	ys	ter	n type	е									2	2	Fe	eat	ure	es					3 Terminals
	F	ROGRAMMIN	G	SYSTEM COVERAGE	MA	X STA	GES	MODEL	API	PLICATI	ONS		POWE	R E				PERFO	RMANC URES	E			c	C ONVEN	OMFOR	T& EATUR	ES	TERMINALS
	Programmable (P) and/or Non-Programmable (NP)	Program Options	Periods Per Day	Single Stage Multi-Stage Heat Pump Universal ¹	Conventional Single Stage	Conventional Multi-Stage	Heat Pump		Gas/Oil/Electric	3-Wire Zone	Millivolt Compatible	Battery	Hardwired (24V)	Power Stealing	Auto Changeover	Programmable Fan	Comfort Circulating Fan	Temperature Setpoint Limits	Keypad Lockout	Dual Fuel Control (L)Logic, (O) Outdoor	Aux. Heat Lockout with Outdoor Sensor ^a	Remote Sensor	Filter Change Reminder	Auto DST Adjust	Continuous. Backlight w/Common Wire	Permanent Memory	Display Size	Terminals
		7, NP	4, 2, 0	Universal Easy Reader ^{~~}	1/1	2/2	4/2	1F95EZ-0671		•	•	٠	•	•				•		L			•	•	•	٠	6"	RC, RH, C, W/E, W2, Y, Y2, O/B, G, L, 6
12 8	P, NP	7, NP	4, 2, 0	Universal Wireless ³ Easy Install ^{**}	1/1	2/2	4/2	1F98EZ-1621	•			•			•	•		•	•	L, 0 ⁴	•	47	•			•	6"	RC, RH, C, W/E, W2, Y, Y2, O/B, G, L, DHM, DHM2, HM, HM2
0000		7, 5+1+1. NP	4, 2, 0	Universal	1/1	2/2	4/2	1F95-0671	•	٠	•	•	٠	•	٠	•		•	٠	0*	٠	15	•	٠	•	٠	6"	RC, RH, C, W/E, W2, Y, Y2, O/B, G, I, 6, +, S, -
		7, 5+1+1, NP	4, 2, 0	Universal Commercial ⁶	1/1	2/2	4/2	1F95-0680	•	•	٠		•	•	•			٠	•	0*	•	15		•	•		6"	RC, RH, C, W/E, WZ, Y, Y2, O/B, G, L, 6, +, 5, -, A1

WR Mobile App



Your resource for:

- Product information and spec sheets
- Complete Cross Reference
- OEM compatibility
- Installation information and videos
- Wiring diagrams

Download:



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- Install the app

OR

- Open your camera
- Hold it over the QR code
- Tap "Open" on the pop-down
- Install the app



WR Mobile App

Search by OEM, Competitive, or White-Rodgers Model Number







HOME	EMERSON.
<	White-Rodgers Mobile
789A-7	751KT1
Descripti Ignitor Kit Mounting Replaces Efficiency	ion: Direct Replacement 120V Hot Surface I. Includes 789A-75IAI Hot Surface leginter, Bracket, Screws and Adapter Harness. Silicon Carbide legintors on 33 1/3 In. Mid Furnaces. Replaces Carrier 331930-751 Kit.
	789A-751KT1 Spec Sheet (E)
	789A-751KT1 Instructions (EF)
To Req Email	uest PDF Document Link:
Deguire	a rielo
Required	

White-Rodgers Cross Reference

Go to: www.whiterodgers.com

- Hover over Tools & Resources
- Click on: White-Rodgers Cross Reference/Product Information
- Enter the Model Number or click on: Search Replacement Heating Controls by Major OEM Brand



Wholesale Resource Site

Access useful resources to grow your business.

Visit: <u>https://climate.emerson.com/en-us/brands/white-rodgers/white-rodgers-wholesaler-resource-center</u>

You'll find videos, stocking lists and product launch information for the following product families:

- Heating Controls
- Cooling Controls
- Sensi Smart Thermostats
- Traditional Thermostats
- Contractor Rewards
- Product Merchandising





The comfort in knowing Emerson is there.

Confidence comes from knowing your reputation is in good hands; that you have the stability of an industry leader by your side; that they've been in the game for 125 years and they'll be around for a whole lot longer. That's the comfort you feel when you recommend Emerson, because you know you're working with the best for your customers and your business.

BROCHURE 坐

Why Contractors Trust White-Rodgers

Industry Leading Products

- Used by more OEM's
- Offering the widest range of Universal Replacement Controls

Ease of Installation

Simple, easy to understand instructions

Product Reliability

 Quality Control assures reliable products

Affordable

Competitive pricing

Supported by Knowledgeable Representatives

Contractor direct phone support



Technical



Introduction

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 - Cool Savings
 - Multiple Power Methods
 - Simple set-up Menu







1F95-0680 Universal Commercial

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Selection is Easy - All You Need to Know Is:

1F95EZ-0671 Easy Reader™ Universal



1F95-0671 Universal



1F95-1280: Universal Commercial





1F95EZ-0671

TECH TIP: O and B are combined into a single O/B terminal.

TECH TIP: +, **S**, -, terminals are for Indoor or outdoor remote sense connection

Emerson Blue[™] Series 6" Thermostat Connections

Easy Reader Universal 1F95EZ-0671	Universal 1F95-0671	Commercial 1F95-0680	Terminal Functions
RC	RC	RC	24V Power for Cooling
RH	RH	RH	24V Power for Heating
С	С	С	24V Common
W/E	W/E	W/E	1st Stage Heat or Heat Pump Aux/Emergency Heat
W2	W2	W2	2nd Stage Heat or Heat Pump Aux 2/Emergency Heat 2
Y	Y	Y	1st Stage Cooling or Heat Pump
Y2	Y2	Y2	2nd Stage Cooling or Heat Pump
O/B	O/B	O/B	O or B Changeover
G	G	G	Indoor Fan
L	L	L	Heat Pump Malfunction Indicator
6	6	6	3-Wire Zone Connection (Powers Closed)
	+	+	Remote Sensor +
	S	S	Remote Sensor Signal
	—	—	Remote Sensor -
		A1	Economizer or Occupancy Pre-purge, Damper

Thermostat Navigation



Blue™ Series 6" Touchscreen Thermostat

System Configuration - Menu

- With Heat or A/C selected, press and hold the Menu button for at least 5 seconds.
- 2. The display will show item #1 in the configuration menu. Press Menu to advance to the next menu item.
- 3. Press the UP or DOWN buttons to change a menu item option.



1F95-0671

TECH TIP: Most technical service calls are the result of improper system configuration.

Configuration Options Summary

1F95-0671 Configuration Options Summary						
System Type	Heat Pump or Conventional, Heat/Cool Stages					
Fuel Type	Gas/Electric					
Cool Savings	Offsets Room Temp lower with long compressor runs, On/Off					
Energy Management Recovery	Early Start Program					
Cycle Rate	Heat, Cool, Aux, Fast/Slow					
Compressor Lockout	5 Minute compressor cycle time delay, On/Off					
System Modes	Heat, Cool, Auto Heat/Cool, Emergency Heat					
Display Light	Continuous Backlight, On/Off					
Temperature Display Adjustment	Display Temperature Offset, 4° Lo to 4° High					
Temperature Format	°F or °C					
Audible Input	Beep, On/Off when changing settings					
Program Schedule	7 Day, 5-1-1, Non-Programmable					
Programs Per Day	4, 2, 0					
Auto Schedule	Automatic Heat/Cool Comfort and Economy Settings, On/Off					
Fast Second Stage	Fast Staging for Comfort, On/Off					
Remote Temperature Sensor Options	Remote Sensor, Indoor or Outdoor On/Off					
Daylight Savings Time	Daylight Savings Time On or Off					
Keypad Lockout	Total or Partial Keypad Lockout					

Configuration Options Summary Continued

1F95-0671 Configuration Options Summary							
Setpoint Temperature Limits	Heat and Cool, Selectable Temperature Ranges						
Outdoor Temperature Setting, Compressor Off	Turns off compressor, switches to Dual Fuel or Electric Heat Aux.						
Compressor Delay (Dual Fuel)	Heat Pump to Furnace switchover timing, 0-99 Sec.						
Outdoor Temperature Setting, Auxiliary Lockout	Locks out Aux until outdoor temperature drops to selected setting						
Air Filter Change	Adjustable, On/Off/Run Time Hours						
UV Light Change	Adjustable, On/Off/25 Day Increments						
Heat Pump Reversing Valve	O/B						
Additional Standard Options							
Factory Pre-Program	Preset Time and Temperature Settings, Adopt or Customize						
Program Fan	Program Fan by Program Period(s), Selectable						
Program Override	Bypass Program, Manual/Temporary						
Program Copy	Copy/Paste, Individual/Group Program settings						
Comfort Alert Active Protection	Compatible with Comfort Alert modules						

Configuration Options Additional Special Features

1F95-0680 Commercial Thermostat - Additional Special Features							
System Type	Heat Pump or Conventional, Heat/Cool Stages						
Economizer Option	Operates Economizer as first stage Cooling, Selectable or Occupied Damper Option						
Pre-Occupancy Purge	Opens Fresh Air Damper 1-3 hours before Occupied period, Selectable						
Occupied Damper Option	Opens Fresh Air Damper During Occupied Periods, Selectable or Economizer						

Optional Remote Sensors for 1F95-0671 and 1F95-0680 Commercial

Indoor Remote Sensor - F145-1328 Options

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Indoor F145-1328



Staging

Emerson multi-stage thermostats are equipped with a microprocessor that uses an algorithm to make decisions about bringing on an additional stage of heat or cool. The algorithm focuses on system performance, rather than only time or temperature, to determine when to engage 2nd stage.

More frequent calls, when the temperature exceeds the first stage differential, increasingly drive faster engagement of 2nd stage. Less frequent time outside the differential will delay calls for additional stages.

This is accomplished by microprocessor capture of the rolling average of room temperature, allowing the optimum staging point in time to be calculated.



Blue™ Series 6" Touchscreen Thermostat

Dual Fuel

Dual Fuel systems combine a heat pump and gas furnace.

The Easy Reader Dual Fuel logic option allow the staging algorithm to determine the optimum time to stage to gas. They also allow the furnace time to complete the ignition sequence before switching off the pump to prevent cold air from being blown out the vents.

This algorithm doesn't require an outdoor sensor because it tracks and monitors system performance, and then determines the optimal time to stage to the gas furnace.



Gas Furnace

Install



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1F95-0671 Universal



1F95-1280: Universal Commercial





1F95EZ-0671

TECH TIP: O and B are combined into a single O/B terminal.

TECH TIP: +, **S**, -, terminals are for Indoor or outdoor remote sense connection

Instruction Sheets

			Installation Instructions for Model:					
Save these ins	structions for future u	ise!	mataliau					
FAILURE TO READ A	ND FOLLOW ALL INSTR	UCTIONS	Model	Programming Choices				
CAREFULLY BEFORE CONTROL COULD CA PROPERTY DAMAGE	INSTALLING OR OPERAT	INGTHIS	1F95EZ-0671	Non-Programmable	7 Day			
	IC .							
AFFLICATION	15							
THERMOS	TAT APPLICATION GUIDE							
Thermostat Configuration Options	Thermostat Applications	Maximum Stages Heat/Cool	-	-95EZ-0671 Thermo	stat			
Single Stage 1 No Heat Pump (SS1)	Gas, Oil, Electric, Heat Only, Cool Only or Heat/Cool Systems, 2 or 3 wire Hydronic	1/1		EMERSON	(
Multi Stage 2 No Heat Pump (MS2)	Zone (Hot Water or Steam) Systems, 24 Volt or Milivolt	2/2		72 22	O			
Heat Pump 1 Single Stage Compressor Heat Pump (HP1)	Single Stage Compressor Heat Pump Systems - up to 2 Stages Aux/Emergency Heat	3/1		no I)_ leat A/C OII Pan	00			
Heat Pump 2 Two Stage or Two Compressor Heat Pump (HP2)	Two Stage or Two Compressor Heat Pump systems - up to 2 Stages Aux/Emergency Heat	4/2	5	0000				
Operating Ambi Operating Humi Shipping Tempe Dimensions The	ent. dity rature Range irmostat.	32 	"F to +105"F (0 to +4 % non-condensing to +150"F (-40 to +6 3/16"H x 6-1/2"W x 1-3	1°C) 3x. 5°C) 5/8°D				
To prevent electrica disconnect electric circuit breaker box	CAUTION I shock and/or equipment power to system at mair until installation is compl	damage, I fuse or lete.	ATTENTION: M This product do product may rep	ERCURY NOTICE bes not contain mere lace a product that or oducts containing me	cury. However, thi ontains mercury.			
Index		Page	discarded in ho	usehold trash. Do no	t touch any spille			
Installation		2	mercury. Wearing	ng non-absorbent glo	oves, clean up an			
Wiring Connections		2	spilled mercury	and place in a sea	aled container. Fo			
Wiring Diagrams	(3	proper disposa	or a product contain	ning mercury or			
Linemocrat Oulek De	terence	4	seared containe	r of spilled mercury, p	vace it in a suitabl			
Installer Castingentier	i menu	7	snipping contain for location to re	shipping container. Refer to www.thermostat-recycle				
Installer Configuration		1 /	non rocation to se	ing product containing	g monoury.			
Installer Configuration Operating Your Therm Troubleshooting	oout	8						
Installer Configuration Operating Your Therm Troubleshooting		8						

1F95EZ-0671 Easy Reader™ Universal

White-Rodgers	Blue Universal Thermostat with Automatic Heat/Cool Changeover Option Single Stage, Multi-Stage, Heat Pump	White-Rodgers		Blue Commercial Thermostat with Automatic Heat/Cool Changeover Option and Damper Control Single Stage, Multi-Stage, Heat Pump
Save these instructions for future use!	Installation and Operating Instructions for Model:	Save these instructions for future us	se!	Installation and Operating Instructions for Model
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ONTROL COULD CAUSE PERSONAL INJURY AND ROPERTY DAMAGE.	D/OR 1F95-0671 7 Day 5/1/1 Day Non-Programmable	CONTROL COULD CAUSE PERSONAL INJURY A PROPERTY DAMAGE.	AND/OR	1F95-0680 7 Day 5/1/1 Day Non-Programmable
	APPLICATIONS			APPLICATION
THERMOSTAT APPLICATION GUIDE	4505 0074 Heliumed Themselet	THERMOSTAT APPLICATION GUIDE		
escription	1P95-0671 Universal Thermostat	Description		1F95-0680 Commercial Thermostat
eat Pump (No Aux. or Emergency Heat)	Yes	Heat Pump (No Aux. or Emergency Heat)	Yes	
rat Pump (with Aux. or Emergency Heat)	Yes	Heat Pump (with Aux. or Emergency Heat)	Yes	the second
stems with up to 4 Stages Heat, 2 Stages Cool	Yes	Systems with up to 4 Stages Heat, 2 Stages Cool	Yes	EMERSON
at Only Systems	Yes II: IY' * 70 🔿	Heat Only Systems	Yes	היי אות
livolt Heat Only Systems – Floor or Wall Furnaces	Yes	Millivolt Heat Only Systems - Floor or Wall Furnaces	Yes	
ol Only Systems	Yes	Cool Only Systems	Yes	
s or Oil Heat	Yes	Gas or Oil Heat	Yes	
ctric Furnace	Yes	Electric Furnace	Yes	
dronic (Hot Water) Zone Heat - 2 Wires	Yes	Hydronic (Hot Water) Zone Heat - 2 Wires	Yes	Aste Mere
dronic (Hot Water) Zone Heat – 3 Wires	Yes	Herizonic (Hot Water) Zone Heat - 2 Wires	Voc	
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iquired)	Test .	Bequired) or Damoer Control Feature	TES	
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1F95-0671 Universal

> 1F95-0680 Universal **Commercial**

Make the system connections to the thermostat

Easy Reader Universal 1F95EZ-0671	Universal 1F95-0671	Commercial 1F95-0680	Terminal Functions
RC	RC	RC	24V Power for Cooling
RH	RH	RH	24V Power for Heating
С	С	С	24V Common
W/E	W/E	W/E	1st Stage Heat or Heat Pump Aux/Emergency Heat
W2	W2	W2	2nd Stage Heat or Heat Pump Aux 2/Emergency Heat 2
Y	Y	Y	1st Stage Cooling or Heat Pump
Y2	Y2	Y2	2nd Stage Cooling or Heat Pump
O/B	O/B	O/B	O or B Changeover
G	G	G	Indoor Fan
L	L	L	Heat Pump Malfunction Indicator
6	6	6	3-Wire Zone Connection (Powers Closed)
	+	+	Remote Sensor +
	S	S	Remote Sensor Signal
	—	—	Remote Sensor -
		A1	Economizer or Occupancy Pre-purge, Damper

System Configuration - Menu

- With Heat or A/C selected, press and hold the Menu button for at least 5 seconds.
- 2. The display will show item #1 in the configuration menu. Press Menu to advance to the next menu item.
- 3. Press the UP or DOWN buttons to change a menu item option.



1F95-0671

 TECH TIP: Most
 technical service calls are the result of improper system configuration.

Configuration Options Summary

1F95-0671 Configuration Options Summary				
System Type	Heat Pump or Conventional, Heat/Cool Stages			
Fuel Type	Gas/Electric			
Cool Savings	Offsets Room Temp lower with long compressor runs, On/Off			
Energy Management Recovery	Early Start Program			
Cycle Rate	Heat, Cool, Aux, Fast/Slow			
Compressor Lockout	5 Minute compressor cycle time delay, On/Off			
System Modes	Heat, Cool, Auto Heat/Cool, Emergency Heat			
Display Light	Continuous Backlight, On/Off			
Temperature Display Adjustment	Display Temperature Offset, 4° Lo to 4° High			
Temperature Format	°F or °C			
Audible Input	Beep, On/Off when changing settings			
Program Schedule	7 Day, 5-1-1, Non-Programmable			
Programs Per Day	4, 2, 0			
Auto Schedule	Automatic Heat/Cool Comfort and Economy Settings, On/Off			
Fast Second Stage	Fast Staging for Comfort, On/Off			
Remote Temperature Sensor Options	Remote Sensor, Indoor or Outdoor On/Off			
Daylight Savings Time	Daylight Savings Time On or Off			
Keypad Lockout	Total or Partial Keypad Lockout			

Configuration Options Summary Continued

1F95-0671 Configuration Options Summary				
Setpoint Temperature Limits	Heat and Cool, Selectable Temperature Ranges			
Outdoor Temperature Setting, Compressor Off	Turns off compressor, switches to Dual Fuel or Electric Heat Aux.			
Compressor Delay (Dual Fuel)	Heat Pump to Furnace switchover timing, 0-99 Sec.			
Outdoor Temperature Setting, Auxiliary Lockout	Locks out Aux until outdoor temperature drops to selected setting			
Air Filter Change	Adjustable, On/Off/Run Time Hours			
UV Light Change	Adjustable, On/Off/25 Day Increments			
Heat Pump Reversing Valve	O/B			
Additional Standard Options				
Factory Pre-Program	Preset Time and Temperature Settings, Adopt or Customize			
Program Fan	Program Fan by Program Period(s), Selectable			
Comfort Circulating Fan	Independent of Program or Heat or Cool Cycling, On/Off			
Program Override	Bypass Program, Manual/Temporary			
Program Copy	Copy/Paste, Individual/Group Program settings			
Comfort Alert Active Protection	Compatible with Comfort Alert modules			

Configuration Options Additional Special Features

1F95-0680 Commercial Thermostat - Additional Special Features				
System Type	Heat Pump or Conventional, Heat/Cool Stages			
Economizer Option	Operates Economizer as first stage Cooling, Selectable or Occupied Damper Option			
Pre-Occupancy Purge	Opens Fresh Air Damper 1-3 hours before Occupied period, Selectable			
Occupied Damper Option	Opens Fresh Air Damper During Occupied Periods, Selectable or Economizer			

Programming

Energy Saving Factory Pre-Program

The 1F95-0671 and 1F95-0680 thermostats are shipped preprogrammed with energy saving factory settings. If the program suits your needs, simply set the thermostat clock and press RunSched.

	*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
Cooling Program	6:00 AM	75°F	8:00 AM	83°F	5:00 PM	75°F	10:00 PM	78°F

* You can eliminate these two program periods in the configuration menu if the building is occupied all day. Day period will change to 6:00 AM and 70° and can be programmed as required.

Programming

Each package includes a programming worksheet.

Heating Program	Wa (Me	ake Up orning)	FAN	Leav	e for Wo (Day)	'k FAN_	Ret _(E	urn Home Evening)	e FAN_	Gc (o to Bed Night)	FAN
MON	6:00 AM	70°F	Auto	8:00 AM	62°F	Auto	5:00 PM	70°F	Auto	10:00 PM	62°F	Auto
TUE												
WED												
THU												
FRI												
SAT	6:00 AM	70°F	Auto	8:00 AM	62°F	Auto	5:00 PM	70°F	Auto	10:00 PM	62°F	Auto
SUN	6:00 AM	70°F	Auto	8:00 AM	62°F	Auto	5:00 PM	70°F	Auto	10:00 PM	62°F	Auto
Cooling Program	W: (M:	ake Up orning)	FAN	Leav	e for Wo (Day)	rk FAN	Rei (I	turn Hom Evening)	e FAN	Go (o to Bed (Night)	FAN
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TECH TIP: Filling out the blank schedule in the instructions makes it easy to program and reduces the need for Technical Help.

System Checkout- Heat

- 1. Press the SYSTEM button to select Heat. If the auxiliary heating system has a standing pilot, be sure to light it.
- Press the UP button to adjust thermostat setting to 1° above room temperature. The heat pump system should begin to operate. The display should show "System On". However, if the system configuration is set to HP1 or HP2 and setpoint temperature display is flashing, the 5 minute compressor lockout feature is operating.
- Adjust temperature setting to 3° above room temperature. If your system configuration is set at MS2, HP2 or HP1, the auxiliary heat system should begin to operate and the display will show "System On +2".
- 4. Press the DOWN button to adjust the thermostat below room temperature. The heating system should stop operating.



System Checkout - Cool

- 1. Press SYSTEM button to select Cool.
- 2. Press the DOWN button to adjust thermostat setting below room temperature. The blower should come on immediately on high speed, followed by cold air circulation. The display should show "System On". If the setpoint temperature display is flashing, the compressor lockout feature is operating.
- Adjust temperature setting to 3° below room temperature. The second stage cooling should begin to operate and the display should show "System On +2".
- 4. Press the UP button to adjust the temperature setting above room temperature. The cooling system should stop operating.



Setting Time and Day

Go the extra mile for your customer by setting the time and date for them.

Follow these steps to set the current time, day, month, year, and date:

- 1. Press the Menu button to enter installer menu. Press the Time button once to indicate hour & AM or PM designation in clock display.
- 2. Press and hold either the UP or DOWN buttons until you reach the correct hour and AM or PM designation.
- 3. Continue pressing Menu/Time along with UP or DOWN buttons to set the correct minutes, year, month, and date.
- 4. Press the RunSched. button once; now the display will show the correct time and room temperature.



Troubleshooting

Symptom	Possible Cause	Corrective Action
No Heat/No Cool/No Fan (common problems)	 Blown fuse or tripped circuit breaker. Furnace power switch to OFF. Furnace blower compartment door or panel loose or not properly installed. Loose connection to thermostat or system. 	 Replace fuse or reset breaker. Turn switch to ON. Replace door panel in proper position to engage safety interlock or door switch. Tighten connections.
No Heat	 Pilot light not lit. Furnace Lock-Out Condition. Heat may also be intermittent. Heating system requires service or thermostat requires replacement. 	 Re-light pilot. Many furnaces have safety devices that shut down when a lock-out condition occurs. If the heat works intermittently contact the furnace manufacturer or local HVAC service person for assistance. Diagnostic: Set SYSTEM Switch to HEAT and raise the setpoint above room temperature. Within a few seconds the thermostat should make a soft click sound. This sound usually indicates the thermostat is operating properly. If the thermostat does not click, try the reset operation listed above. If the thermostat does not click after being reset contact your heating and cooling service person or place of purchase for a replacement. If the thermostat clicks, contact the furnace manufacturer or a HVAC service person to verify the heating is operating correctly.

Troubleshooting

Symptom	Possible Cause	Corrective Action
No Cool	 Cooling system requires service or thermostat requires replacement. 	Same as diagnostic for No Heat condition except set the thermostat to COOL and lower the setpoint below the room temperature. There may be up to a five minute delay before the thermostat clicks in Cooling.
Heat, Cool or Fan Runs Constantly	 Possible short in wiring. Possible short in thermostat. Possible short in heat/cool/fan system. FAN Switch set to Fan ON 	Check each wire connection to verify they are not shorted or touching together. No bare wire should stick out from under terminal block. Try resetting the thermostat as described above. If the condition persists the manufacturer of your system or service person can instruct you on how to test the Heat/Cool system for correct operation. If the system operates correctly, replace the thermostat.
Thermostat Setting & Thermostat Thermometer Disagree	1. Thermostat thermometer setting requires adjustment.	The thermometer can be adjusted +/- 4 degrees. See Temperature Display Adjustment in the Configuration Menu section.

Troubleshooting

Symptom	Possible Cause	Corrective Action
Furnace (Air Conditioner) Cycles Too Fast or Too Slow (narrow or wide temperature swing)	 The location of the thermostat and/or the size of the Heating System may be influencing the cycle rate. 	Digital thermostats provide precise control and cycle faster than older mechanical models. The system turns on and off more frequently but runs for a shorter time so there is no increase in energy use. If you would like an increased cycle time, choose SL for slow cycle in the Configuration menu, step 7 (heat) or 8 (cool). If an acceptable cycle rate is not achieved, contact a local HVAC service person for additional suggestions.
Forgot Keypad Lockout Code		Press the menu button (button will disappear) and hold in for 20 seconds. This unlocks the thermostat.

Note: When thermostat is reset, installer configuration menu settings and programming will reset to factory settings. If a voltage spike or static discharge blanks out the display or causes erratic thermostat operation, you can reset the thermostat by removing the wires from terminals R and C (do not short them together) and removing batteries for 2 minutes. After resetting the thermostat, replace the wires and batteries. If the thermostat has been reset and still does not function correctly contact your heating/cooling service person or place of purchase.

Note: Be sure to review the installer configuration menu settings.

To reset the programming, clock and configuration settings, press the or and SYSTEM button simultaneously. The thermostat should go blank and then all segments will be displayed momentarily.

Why Contractors Trust White-Rodgers

Industry Leading Products

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