White-Rodgers

70 Series®

Heat Pump

Heat Pump Thermostats

Lighted Display

±1° ACCURACY OPTIMUM COMFORT AND PERFORMANCE

- 5/2 Day Programmable or Non-Programmable
- Hardwired

Non-Programmable

1F72-151

Heat Pump
5/2 Day Programmable

1F79-111

Heat Pump
Non-Programmable

Changing the World of Heat Pump Thermostats for the Better.

With a 70 Series Heat Pump thermostat, your customers can economically upgrade to digital accuracy and energy savings. It is easy to install and is compatible with most heat pump systems. The 70 Series is perfect for customers who want an economical and easy digital upgrade for their heat pump system. Plus, White-Rodgers 70 Series versatility means less inventory for you.

Programming

Choice of 5/2 day programming (weekday/weekend) or non-programmable

4 time and 4 temperature settings per program for heating and cooling (1F72-151)

Energy savings up to 33% (1F72-151)

Display

Large, easy-to-read thermostat display

Lighted display for low-light viewing

Comfort & Convenience

Electronic temperature accuracy

Adjustable room temperature calibration

Performance

For 2-stage heat, 1-stage cool systems

B or O terminal

Meets California Building Code, Title 24 (1F72-151)

System power with optional battery back-up

White Rodgers

EMERSON Climate Technologies

White-Rodgers

70 Series® Heat Pump Thermostats

• 5/2 Day Programmable or Non-Programmable • Hardwired

1F72-151
Heat Pump
5/2 Day Programmable

1F79-111
Heat Pump
Non-Programmable

Programming

Choice of 5/2 day programmable or non-programmable

4 time and 4 temperature settings per program (heat & cool) (1F72-151)

Energy savings up to 33% (1F72-151)

Patented pre-programmed software simplifies time and temperature programming (1F72-151)

Display

Large LCD with improved contrast for easier reading

Lighted display for low-light viewing

Comfort & Convenience

Indefinite setpoint Hold (1F72-151)

Temporary temperature override until next program period (1F72-151)

Soft-touch keypad

Maintains room temperature differential within +/- 1°

Display temperature recalibration (+/- 3°)

Performance

Selectable Energy Management Recovery (1F72-151)

Powerful next-generation microprocessor

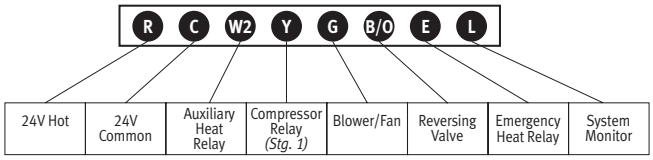
Meets California Building Code, Title 24 (1F72-151)

Fast (FA) or slow (SL) heating cycle anticipation

B or O terminal (selectable)

Compressor lockout protection (optional)

Terminal Designations



Dimensions

5.1"W x 3.7"H x 1.1"D

Electrical Specifications

Rating
20 to 30 VAC, 50/60 Hz or DC

0.05 to 1.0 Amp (load per terminal)

1.5 Amps maximum load (all terminals combined)

Standard Systems
Heat Pump—2 stage heat, 1 stage cool

Single stage heat pump

Thermal Specifications

Setpoint Temperature Range:
45° to 90°F (7° to 32°C)

Rated Differential:
0.6° to 1.6°F with adjustable anticipation

Operating Ambient Temperature:
32° to 105°F (0° to 40°C)

Operating Humidity Range:
90% non-condensing maximum

Shipping Temperature Range:
-4° to 150°F (-20° to 65°C)

Accessories

Wall Plate F61-2510 (6.5" x 4.5")

Thermostat Guard F29-0231
(For additional guard options refer to White-Rodgers catalog)

For Additional Information

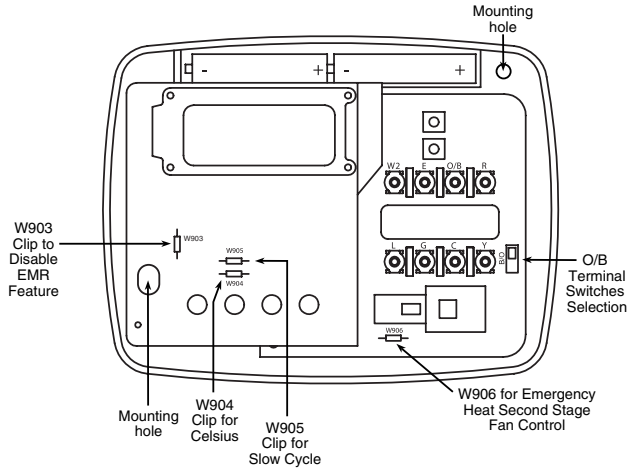
Visit www.white-rodgers.com

Stages Heat/Cool by System			Programs	Model	Applications				Selectable Performance Features					Comfort & Convenience Features						
Single Stage	Multi-Stage	Heat Pump	Program Options	Model Number	Gas/Oil/ Electric	3 Wire Zone Valve	Millivolt Compatible	Thermostat Power Source*	Auto Changeover	Program Override	Energy Management Recovery	Programmable Fan	Energy Star	Diplay Size (sq. in.)	Alkaline Battery Life (Years)	Lighted Display	Cool Savings	Furnace Lockout Ignition Module Reset	Memory Back-up **P**-Permanent **B**-Battery	Warranty (Years)
		2/1	5+2	**1F72-151**				H			✓		✓	1.2	1	✓			B	1
		2/1	Ø	**1F79-111**				H						1.2	1	✓			B	1

* H = Hardwire (Requires Common)

White Rodgers

St. Louis, Missouri 314-553-3600
Markham, Ontario 905-201-4701
www.white-rodgers.com



Thermostat base

Reset Operation 1F72-151

If a voltage spike or static discharge blanks out the display or causes erratic thermostat operation, you can reset the thermostat by pressing ▲, ▼ and TIME at the same time.

Reset Operation 1F79-111

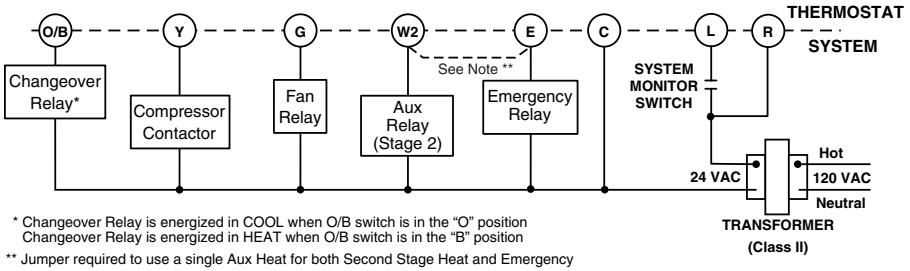
If a voltage spike or static discharge blanks out the display or causes erratic thermostat operation, you can reset the thermostat by pressing ▲, ▼ and at the same time when system is switched from "OFF" to "HEAT" position.

Configuration Menu

1F79-111 Step	1F72-151 Step	1F79-111 Press Button(s)	1F72-151 Press Button(s)	Displayed (Factory Default)	Press ▼ or ▲ to select:	COMMENTS
1		Set SYSTEM switch to OFF				
2	1	▼ and ▲ for at least 2 seconds	**PRGM** and **RUN**	FA (ON)	OFF	Select Fast (on) or slow (off) Second Stage Heat
3	2	▼ and ▲ momentarily	**HOLD** *	CL (OFF)	ON	Select Compressor lockout OFF or ON
4	3	▼ and ▲ momentarily	**HOLD** *	0 HI (0)	3 LO TO 3 HI	Select temperature display adjustment higher or lower
5*	4*	▼ and ▲ momentarily	**HOLD** **	dL (ON)	OFF	Select display backlight OFF or ON
6	5	Move SYSTEM switch from OFF	**RUN**			Return to normal operation

* Not available on earlier models

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

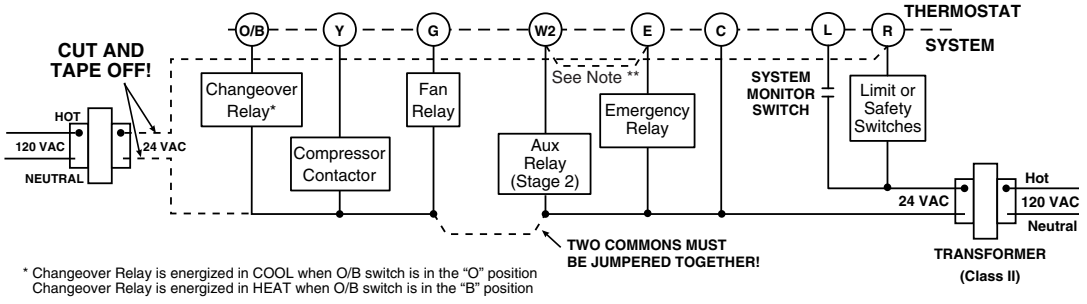


* Changeover Relay is energized in COOL when O/B switch is in the "O" position
Changeover Relay is energized in HEAT when O/B switch is in the "B" position

** Jumper required to use a single Aux Heat for both Second Stage Heat and Emergency

Typical wiring diagram for single transformer systems

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



* Changeover Relay is energized in COOL when O/B switch is in the "O" position
Changeover Relay is energized in HEAT when O/B switch is in the "B" position

** Jumper required to use a single Aux Heat for both Second Stage Heat and Emergency

Typical wiring diagram for two transformer systems with NO safety circuits