



# THERMOSTATS & CONTROLLERS

## RESIDENTIAL LCD DISPLAY PROGRAMMABLE/ NON-PROGRAMMABLE THERMOSTATS

### 1F72, 1E78 AND 1F78 SERIES THERMOSTATS

#### DESCRIPTION

The **1F72 Series** thermostats are configured for heat pump systems and have a 5-2 day programming option. The **1F78 Series** thermostat is available in programmable or non-programmable. The programmable option is a 5-2 day configuration with up to 4 period settings per day. The **1E78** model numbers are vertical versions with the same features as the **1F78** models. This series offers the perfect upgrade from mechanical thermostats at an affordable cost. The large dimensional design of these thermostats covers wall marks left by most mechanical thermostats without the need for a wall plate.

#### FEATURES

- Large LCD with backlight
- Includes B/O terminals
- Fossil fuel or electric heat compatible
- Electronic accuracy
- Selectable Celsius or Fahrenheit temperature display

NEW!

White Rodgers™



1F72-151-ST



1F78-144



1F78-151



1E78-140



1E78-151

#### SPECIFICATIONS

<b>Supply Voltage</b>	24VAC
<b>Display</b>	Yes
<b>Display Type</b>	LCD
<b>Accuracy</b>	±1°
<b>Additional Specifications</b>	
1F78-151,1F72-151,1E78-151	Program option 5/2 Day
1F78-144,1E78-140,1F79-111	Non-programmable
<b>Control Type</b>	Low Voltage Thermostat
<b>Deadband</b>	1°
<b>Differential</b>	1°
<b>Rated Differentials - Single Stage Models:</b>	
	<b>Fast      Slow</b>
<b>Heat (Single Stage)</b>	0.8°F    1.5°F
<b>Cool (Single Stage)</b>	Fixed    1.2°F
<b>Heat Pump</b>	1.2°F    1.5°F
<b>Aux./Emer. Heat</b>	0.8°F    1.2°F
<b>Dimensions</b>	
1F78-151,1F78-144,1F72-151,1F79-111	6.25"L x 4.25"H x 1.75"D (15.8 x 10.8 x 4.45 cm)
1E78-151,1E78-140	4.29"L x 6.2"H x 6.2"D (10.9 x 15.75 x 15.75 cm)
<b>Enclosure</b>	Nema 1
<b>Input Current</b>	
1F78-151,1F78-144,1F72-151,1F79-111, 1E78-151	0.05 to 1.0 Amp (load per terminal)
E78-140	0.05 to 1.5 Amps (load per terminal)
<b>Fan Switching</b>	Yes

<b>Reset</b>	Yes
<b>RoHS Statement</b>	No
<b>Sensing Element</b>	Yes
<b>Sensor Type</b>	Thermistor
<b>Temperature Range</b>	32° to 105°F (0° to 41°C)
<b>Operating Temperature</b>	32° to 105°F (0° to 41°C)
<b>Shipping Temperature</b>	-4° to 150°F (-20° to 65°C)
<b>Setpoint Range</b>	45° to 90°F (7° to 32°C)
<b>Schedule Type</b>	
1F78-15,1F72-151, 1E78-151	4 (Morning, Day, Evening, Night),
<b>Materials Of Construction</b>	ABS Plastic
<b>Mounting</b>	Any except upside down
<b>Weight</b>	0.58 lb (0.26 kg)
<b>Warranty</b>	5 years
<b>System Type</b>	
1F78-151,1F78-144,1E78-140,1E78-151	Single Stage
1F79-111,1F72-151	Heat Pump
<b>Wiring Terminations</b>	
1F78-151,1F78-144,1E78-151	RC, RH, W, Y, G, O, B
1F72-151,1F79-111	R, C, Y, W2, G, O/B, L, E,
1E78-140	R, C, Y, W/2, G, O/B, L

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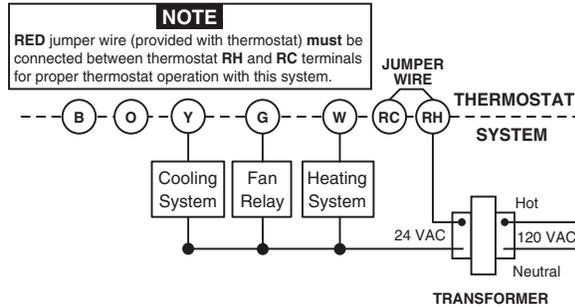
NEW!

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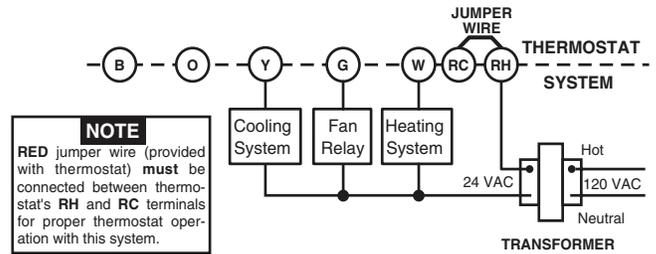
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### WIRING



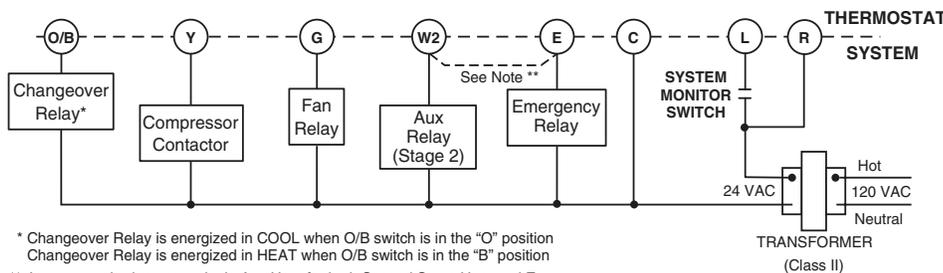
Typical wiring diagram for heat/cool,  
4-wire, single transformer systems

1E78-151



Heat/cool, 4-wire, single transformer systems

1F78-144, 1F78-151



\* 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

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

Typical wiring diagram for single transformer systems

1F72-151, 1F79-111

### ORDERING INFORMATION

MODEL	DESCRIPTION
1F78-151	Thermostat; SS/programmable/classic display
1F78-144	Thermostat; SS/non-programmable/classic display
1F72-151	Thermostat; HP/programmable/classic display
1E78-151	Thermostat; SS/programmable/vertical/classic display
1E78-140	Thermostat; SS/non-programmable/vertical/classic display
1F79-111	Thermostat; HP/non-programmable/classic display

**Note:** All models available in a 6-pack.