

# 70 Series™ Thermostats

Thermostats that offer economy and value with proven reliability

## Available for Conventional and Heat Pump Applications

Programmable and Non-Programmable Models – Horizontal and Vertical Styles

### Conventional Systems 1H/1C

#### Programmable

1F78-151 5+2 Day (Horizontal)

1E78-151 5+2 Day (Vertical)

#### Non-Programmable

1F78-144 Horizontal

1E78-144 Vertical

1E78-140 Heat Only (Vertical)



1F78-151



1E78-151

### Heat Pump Systems 2H/1C

#### Programmable

1F72-151 5+2 Day (Horizontal)

#### Non-Programmable

1F79-111 Horizontal



1F72-151

#### Contractor Private Label

Put your contact information in front of your homeowner customers. Go to [EmersonPrivateLabel.com](http://EmersonPrivateLabel.com) to get started.

Emerson 70 Series Thermostats deliver temperature accuracy for your customers on a budget.

Battery powered makes installation fast and easy for you.

White-Rodgers™

EMERSON™

# 70 Series™ Thermostats

Thermostats that offer economy and value with proven reliability

## Specifications

### Electrical Rating

Battery Power: mV to 30 VAC  
 Hardwire: 20 to 30 VAC  
 NEC Class II, 50/60 Hz

### Setpoint Range

45 °F to 90 °F (7 °C to 32 °C)

### Accessories

Wallplate: F61-2510 (6-1/2" x 4-1/2")  
 F61-2593 (Vertical Thermostats 4-1/2" x 6-19/32")  
 Thermostat Guard:  
 F29-0198 / F29-0227 / F29-0231

### Display Temperature Range

32 °F to +99 °F (0 °C to 37 °C)

### Rated Differentials

	Fast	Slow
Conventional: Heat	0.8°F	1.5°F
Cool Fixed	1.2°F	
Heat Pump:	1.2°F	1.5°F
Aux./Emer. Heat:	0.8°F	1.2°F

### Terminal Load

1.0 A per terminal  
 1.5 A per maximum all terminals combined

### Operating Ambient

32 °F to +105 °F  
 (0 °C to +41 °C)

### Operating Humidity

90% non-condensing max

### Shipping Temperature

-4 °F to +150 °F  
 (-20 °C to +65 °C)

### Thermostat Dimensions

3-13/16"H x 5-1/8"W x 1-1/8"D (1F78)  
 5-5/16"H x 3-3/16"W x 1-1/8"D (1E78)

## Terminal Designations

Conventional Systems 1H/1C: 1F78-144 / 1F78-151 (Vertical): 1E78-144 / 1E78-151



Conventional Systems Heat Only 1H/0C (Vertical): 1E78-140



Heat Pump Systems 2H/1C: 1F72-151 / 1F79-111



Model	Program Options				Maximum Stages Heat/Cool		Applications			Power Source		Selectable Performance Features				Comfort and Convenience Features			
	7 Day	5+2 Day	Non-Programmable	Program Periods per Day	Conventional	Heat Pump	Gas / Oil / Electric	3 Wire Zone Valve	Millivolt Compatible	Battery	Hardwired (24V)	Auto Changeover	EMR / Early Start Program	Temperature Setpoint Limits Adjustable Max./Min.	Dual Fuel Control (L)-Logic(O)-Outdoor Sensor	Filter Change Reminder	Keypad Lockout	Continuous Backlight w/Common Wire	Permanent Memory
1E78-140			0	0	1/0		✓		✓	✓									
1E78-144			0	0	1/1	1/1	✓		✓	✓									
1E78-151		5+2		4	1/1	1/1	✓		✓	✓									
1F72-151		5+2		4		2/1	✓				✓								
1F78-144			0	0	1/1	1/1	✓		✓	✓									
1F78-151		5+2		4	1/1	1/1	✓		✓	✓									
1F79-111			0	0		2/1	✓				✓								



For complete, up to date cross reference information, install WRMobile on your iOS or Android device today.

white-roddgers.com  
 emersonthermostats.com  
 emersonclimate.com

**White-Rodgers™**

Saint Louis, Missouri  
 314-553-3600

Markham, Ontario  
 905-948-3411

The Emerson logo is a trademark and a service mark of Emerson Electric Co.



WR-0464-4