

Classic 80 Series™ Thermostats

Thermostats that offer proven performance, reliability and installer confidence

Available for Conventional and Heat Pump Applications

Programmable and Non-Programmable Models

Conventional Systems 1H/1C

Programmable

1F87-361 7 Independent Day

1F80-361 5+1+1 Day

Non-Programmable

1F86-344



1F87-361



1F86-344

Heat Pump Systems 2H/1C

Programmable

1F82-261 5+1+1 Day

Non-Programmable

1F89-211



1F82-261



1F89-211

Contractor Private Label

Put your contact information in front of your homeowner customers. Go to EmersonPrivateLabel.com to get started.

Count on Emerson Classic 80 Series Thermostats for Time-Tested, Proven Performance.

In residential and light commercial applications, value, performance, reliability and installer confidence have made Classic 80 Series the most trusted and best selling digital thermostats with contractors.

White-Rodgers™

EMERSON™

Classic 80 Series™ Thermostats

Thermostats that offer proven performance, reliability and installer confidence

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 99 °F (7 °C to 37 °C)

Accessories

Wallplate: F61-2500 (7-5/8" x 4-7/8")
 Thermostat Guards:

F29-0198 / F29-0227 / F29-0231

Rated Differentials

Conventional: Heat 0.6° F or 1.5° F
 Cool 1.2° F

Heat Pump: Heat & Cool 0.75° F or 1.2° F

Terminal Load

1.0 A per terminal
 1.5 A per maximum all terminals combined

Display Temperature Range

32° F to +99° F (0° C to 37° C)

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

3-7/8"H x 6"W x 1-3/16"D

Terminal Designations

Conventional Systems 1H/1C: 1F80-361 / 1F86-344 / 1F87-361



Heat Pump Systems 2H/1C: 1F82-261 / 1F89-211



Model	Program Options				Maximum Stages Heat/Cool		Applications			Power Source		Selectable Performance Features				Comfort and Convenience Features			
	7 Day	5+1+1 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
1F80-361		5+1+1		4	1/1	1/1	✓		✓	✓	✓		✓						✓
1F82-261		5+1+1		4		2/1	✓				✓		✓						✓
1F86-344			0	0	1/1	1/1	✓		✓	✓	✓								✓
1F87-361	7			4	1/1	1/1	✓		✓	✓	✓		✓						✓
1F89-211			0	0		2/1	✓				✓								✓



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White-Rodgers™

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