

White-Rodgers 80 Series™

Single Stage

Single Stage Thermostat

- Digital 7 Day or 5/1/1 Day Programmable and Non-Programmable
- Hardwired or Battery Powered

1F80-361

Single Stage
3 Programs

1F87-361

Single Stage
7 Programs

1F86-344

Single Stage
Non-Programmable



The Best-Selling Digital Thermostat Keeps Getting Better.

We've improved the best-selling digital thermostat with a larger display and enhanced home comfort features. It now offers more control, more convenience and more value than the competition. And it's backed with the reputation of White-Rodgers – pioneers in home comfort.

More Accuracy and Control. If you're in the process of upgrading your heating/cooling system, don't forget the "brain" for your new system...your thermostat. Many thermostats aren't smart enough to prevent temperature swings, so they can rob you of comfort and energy savings. But our 80 Series can maintain a set temperature to within one degree. Plus, there's a larger permanent memory that improves performance, as well as saves all programs during a power loss.

More Comfort and Convenience. The programmable model delivers perfect comfort, as it automatically changes to the temperature you selected for wake-up, during the day, evening hours and while you sleep. The new, 45% larger lighted display makes for clearer low-light viewing. And its ergonomic design gives you easy access to keypad controls for ease in set-up and programming.

Maximum Energy Savings. Program heating and cooling times to cut energy use, not comfort. You can save as much as 33% in energy costs, depending on your home's location, climate and program selections. Now you can have it all...energy savings, with comfort and convenience! The best-selling digital thermostat just became an even better value.

White
Rodgers

EMERSON
Climate Technologies

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7 Programs

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Non-Programmable

Programming (1F80-361) / (1F87-361)

Choice of 5/1/1 day or 7 day programmable or non-programmable

4 time and 4 temperature settings per program (heat & cool)

Energy savings up to 33%

Patented pre-programmed software simplifies time and temperature programming

Display

New — 45% larger LCD with improved contrast for easier reading

Lighted display for easier low-light viewing

Comfort & Convenience

Permanent program retention during power loss

New — Indefinite setpoint Hold or programmable timed Hold up to 8 hours (1F80-361) / (1F87-361)

Air filter change indicator (optional)

Simple “set-up” menu to activate optional features

Temporary temperature override until next program period (1F80-361) / (1F87-361)

Soft-touch keypad

Maintains room temperature differential within 1°

Display temperature recalibration (+/- 4°)

Performance

Dual-Powered...choice of battery-powered or hardwired, for all single stage applications

Selectable Energy Management Recovery (1F80-361) / (1F87-361)

Powerful next-generation microprocessor

Meets ENERGY STAR® specifications (1F80-361) / (1F87-361)

Meets California Building Code, Title 24 (1F80-361) / (1F87-361)

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

New — Easy to wire terminal block

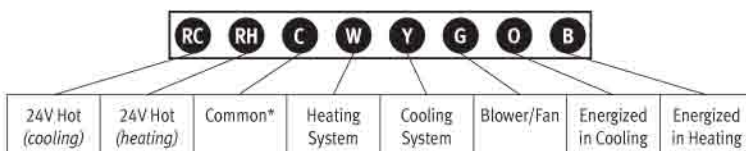
B & O terminals

Compressor lockout protection

Millivolt compatible

Electric heat option

Terminal Designations



*Optional — for hardwired applications

Dimensions

6.1"W x 3.8"H x 1.1"D

Electrical Specifications

Rating

0 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

Single Stage gas, oil, electric

Single Stage heat pump

Millivolt Systems

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 F61-2500 (7.6"W x 4.8"H)

Thermostat Guard F29-0231

(For additional guard options refer to White-Rodgers catalog at www.white-roddgers.com)

For Additional Information

Visit www.white-roddgers.com

System/Stages			Program	Model	Application			Humidity Control		Performance Features				Comfort & Convenience						
Single Stage	Multi Stage	Heat Pump	Program Days	Model Number	Gas/Oil/Electric	Millivolt	Power Source	Humidify	Dehumidify	Auto Changeover	Energy Management Recovery	Programmable Fan	Keypad Lockout	Indoor Remote Sensor	Outdoor Remote Sensor	Energy Star	Lighted Display	Lighted Keypad	Memory Type	Super Cap
1/1		1/1	5+1+1	1F80-361	Yes	Yes	D*				Yes					Yes	Yes		Permanent	
1/1		1/1	7	1F87-361	Yes	Yes	D*				Yes					Yes	Yes		Permanent	
1/1		1/1	Ø	1F86-344	Yes	Yes	D*									N/A	Yes		Permanent	

* B=Battery Power H=Hardwire (Requires Common) D=Dual Powered (Hardwire and Battery)

**White
Rodgers**

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

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