

# White-Rodgers 80 Series™

# Single Stage

## Single Stage Thermostats



- 5/1/1 Day, 5/2 Day Programmable or Non-Programmable
- Hardwired or Battery Powered

### 1F80-0471 Blue

Single Stage  
5/1/1, 5/2 Day or 0 Programs  
Includes Wall Plate F61-2634

### 1F86-0471 Blue

Single Stage  
Non-Programmable

### 1F80-361

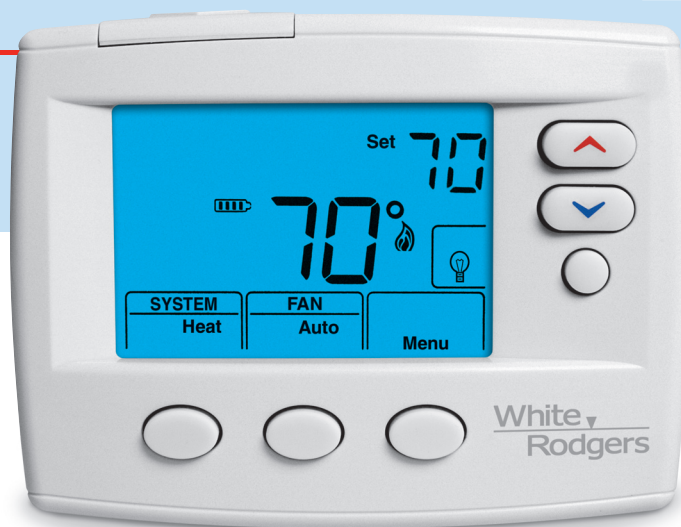
Single Stage  
5/1/1 Day Programmable

### 1F87-361

Single Stage  
7 Day Programmable

### 1F86-344

Single Stage  
Non-Programmable



## 80 Series Adds “Blue” to the Line-Up

The best-selling digital thermostat series now has Blue. 80 Series Blue has a large 4-square-inch, easy-to-view Blue display and enhanced home comfort features. Take all the best features of the 80 Series, add exclusive CoolSavings™, dedicated programmable or non-programmable, longer battery life with exclusive battery power monitor — put it all in a sleek, compact package and you have 80 Series Blue. Tried and true now comes in Blue!

White  
Rodgers

  
**EMERSON**  
Climate Technologies

# White-Rodgers 80 Series™ Single Stage Thermostats

1F80-0471

5/1/1, 5/2 Day or 0 Programs

1F86-0471

Non-Programmable

1F80-361

5/1/1 Day Programmable

1F87-361

7 Day Programmable

1F86-344

Non-Programmable

## Exclusive 80 Series Blue Features

- Large, 4-square-inch Blue display with easy-to-see characters
- Configures as manual heat/cool, auto changeover, heat only or cool only
- Exclusive Cool Savings™ feature saves energy during peak A/C demand periods
- Hydronic 2 or 3 wire applications
- Three anticipation settings
- Exclusive battery power monitor
- Longer battery life
- Easy access battery compartment
- 5-year warranty

## Programming

- Choice of 5/1/1 day programmable, 5/2 day or non-programmable (1F80-0471)
- Choice of 5/1/1 day (1F80-361) or 7 day programmable (1F87-361)
- 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

- Large LCD with improved contrast for easier reading
- Lighted display for easier low-light viewing

## Comfort & Convenience

- Permanent program retention during power loss
- Indefinite setpoint Hold or programmable timed Hold up to 8 hours (1F80-0471) / (1F80-361) / (1F87-361)
- Air filter change indicator (optional)
- Simple "set-up" menu to activate optional features
- Temporary temperature override until next program period (1F80-0471) / (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 applications
- Selectable Energy Management Recovery (1F80-0471) / (1F80-361) / (1F87-361)
- Meets ENERGY STAR® specifications (1F80-0471) / (1F80-361) / (1F87-361)
- Meets California Building Code, Title 24 (1F80-0471) / (1F80-361) / (1F87-361)
- Fast (FA) or slow (SL) heating cycle anticipation
- Easy-to-wire terminal block
- Compressor lockout protection
- Millivolt compatible
- Electric heat option

## Terminal Designations

80 Series



80 Series Blue



## Dimensions

- 4.5"W x 3.5"H x 1.1"D — 80 Series Blue
- 6.1"W x 3.8"H x 1.2"D — 80 Series

## 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)
- 80 Series Blue Rated Differential: 0.4° to 1.7° F with adjustable anticipation
- 80 Series Rated Differential: 0.6° to 1.5° 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 F61-2634 (6.5"W x 5"H) for 80 Series Blue (Included with 1F80-0471)
- Wall Plate F61-2500 (7.6"W x 4.8"H) for 80 Series
- Thermostat Guard F29-0231
- (For additional guard options refer to White-Rodgers catalog at [www.white-roddgers.com](http://www.white-roddgers.com))

## For Additional Information

Visit [www.white-roddgers.com](http://www.white-roddgers.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	Heat Only or Cool Only Option	Energy Management Recovery	Programmable Fan	Energy Star	Display 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)
1/1		1/1	7-day	1F87-361	✓		✓	B, H			✓		✓	2.2	2+	✓		✓	P	1
1/1		1/1	5+1+1, 5+2, 0	1F80-0471	✓	✓	✓	B, H	✓	✓	✓		✓	4.0	2+	✓**	✓	✓	P	5
1/1		1/1	5+1+1	1F80-361†	✓		✓	B, H			✓		✓	2.2	2+	✓		✓	P	1
1/1		1/1	0	1F86-0471	✓	✓	✓	B, H	✓	✓				4.0	2+	✓**	✓	✓	P	5
1/1		1/1	0	1F86-344†	✓		✓	B, H						2.2	2+	✓		✓	P	1

\* B, H = Battery or Hardwire option  
 \*\* Optional Continuous Display Light with Hardwire Connection  
 † Hardwire Only Powered Models Also Available