

# White-Rodgers 80 Series®

## Single Stage



### Single Stage Applications

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

## 1F87-361

Single Stage 1H/1C  
7 Day Programmable

## 1F80-361

Single Stage 1H/1C  
5/1/1 Day Programmable

## 1F86-344

Single Stage 1H/1C  
Non-Programmable Only



## The Best-Selling 80 Series® Classic Thermostats Are a Customer Favorite!

Value, performance, reliability, installer confidence and ease of use have made White-Rodgers 80 Series® Classic Single Stage Thermostats the most trusted and best-selling digital thermostats in the industry... and they still are.

#### Accuracy and Control:

- +/- 1° Temperature Accuracy
- Permanent Memory

#### Comfort and Convenience:

- Choice of Programmable and Non-Programmable Models
- Includes RC, RH, O and B Terminals

#### Energy Savings:

- Up to 33% Savings on Energy Bill
- Meets California Title 24

White  
Rodgers™

  
**EMERSON**  
Climate Technologies

# White-Rodgers 80 Series® Single Stage Applications

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1F87-361

7 Day Programmable

1F80-361

5/1/1 Day Programmable

1F86-344

Non-Programmable Only

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

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

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

Energy savings up to 33%

Pre-programmed schedules simplify time and temperature programming

## Display

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 (1F80-361) / (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)

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

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

Easy-to-wire terminal block

B & O terminals

Compressor lockout protection

Millivolt compatible

Electric heat option

## Terminal Designations



## 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-rodders.com](http://www.white-rodders.com))

## For Additional Information

Visit [www.white-rodders.com](http://www.white-rodders.com)

| Single Stage               | Multi-Stage | Heat Pump | Programs        | Model        | Applications         |               |             | Power Source | Selectable Performance Features |                 |                  |                      |                  |                    | Comfort and Convenience Features |                       |                 |                  |               |                             |                       |                  |
|----------------------------|-------------|-----------|-----------------|--------------|----------------------|---------------|-------------|--------------|---------------------------------|-----------------|------------------|----------------------|------------------|--------------------|----------------------------------|-----------------------|-----------------|------------------|---------------|-----------------------------|-----------------------|------------------|
| Stages Heat/Cool by System |             |           | Program Options | Model Number | Gas/Oil/<br>Electric | Comfort Alert | 3 Wire Zone |              | Millivolt                       | Auto Changeover | Programmable Fan | Energy Mgt. Recovery | Dual Fuel Option | Temperature Limits | Indoor Remote Sensor             | Outdoor Remote Sensor | Lighted Display | Audible Feedback | Cool Savings™ | Daylight Savings Adjustment | Ignition Module Reset | Permanent Memory |
| 1/1                        |             | 1/1       | 7               | 1F87-361     | ✓                    |               |             | ✓            | B,H                             |                 |                  | ✓                    |                  |                    |                                  |                       | ✓               |                  |               |                             | ✓                     | ✓                |
| 1/1                        |             | 1/1       | 5/1/1           | 1F80-361     | ✓                    |               |             | ✓            | B,H                             |                 |                  | ✓                    |                  |                    |                                  |                       | ✓               |                  |               |                             | ✓                     | ✓                |
| 1/1                        |             | 1/1       | Ø               | 1F86-344     | ✓                    |               |             | ✓            | B,H                             |                 |                  |                      |                  |                    |                                  |                       | ✓               |                  |               |                             | ✓                     | ✓                |

B = Battery, H = Hardwired

White  
Rodgers™

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