

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 Thermostat Series Is a Customer Favorite!

Value, performance, reliability, installer confidence and ease of use have made White-Rodgers 80 Series® 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

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

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 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

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)

For Additional Information

Visit www.white-rodders.com

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

B=Battery, H=Hardwired

White
Rodgers™

St. Louis, Missouri Markham, Ontario
314-553-3600 905-948-3411
www.white-rodders.com
www.emersonclimate.com

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


EMERSON
Climate Technologies

WR-9617-1