Single Stage

Digital 5/1/1 Day, 7 Day Programmable and Non-Programmable Dual–Hardwired/ Battery

Comfort-Set®

80 Series™

STANDARD

Programmable

Non-Programmable

The Best-Selling Digital Thermostat Just Got Better.

We've improved the best-selling digital thermostat with new styling 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 since 1937.

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 new 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, 60% 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.

REDUCES ENERGY BILLS UP TO 33%
ENERGY SAVER

ENERGY STAR

1F80-261

Single Stage
3 Programs
Pro-Spec #80s3wb

1F87-251

Single Stage
7 Programs
Pro-Spec #80s7b

1F86-244

Single Stage
Non-Programmable
Pro-Spec #80sØb

WHITE-RODGERS

Single Stage

Digital 5/1/1 Day, 7 Day Programmable and Non-Programmable Dual–Hardwired/Battery

Comfort-Set®

80 Series™

STANDARD

Programming *(1F80-261) / (1F87-251)*

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 — 60% larger LCD with improved contrast for easier reading

New — Lighted display for easier low-light viewing

Comfort & Convenience

New — Permanent program retention during power loss

New — Indefinite setpoint Hold or programmable timed Hold up to 8 hours *(1F80-261) / (1F87-251)*

New — Air filter change indicator (optional)

New — Simple menu to activate optional features

Temporary temperature override until next program period *(1F80-261) / (1F87-251)*

Soft-touch keypad

Maintains room temperature differential within 1 degree

Display temperature recalibration (+/- 4°)

Performance

New — Dual-Powered...choice of battery-powered or hardwired, for all single stage applications *(1F80-261)*

New — Selectable Energy Management Recovery *(1F80-261) / (1F87-251)*

New — Powerful next-generation microprocessor

Meets ENERGY STAR® specifications *(1F80-261) / (1F87-251)*

Meets California Building Code, Title 24 *(1F80-261) / (1F87-251)*

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

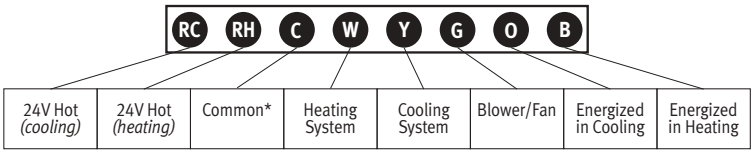
B & O terminals

Compressor lockout protection

Millivolt compatible

Electric heat option

Terminal Designations



*Optional for 1F80-261 Model

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

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.)

For Additional Information

visit www.white-rodgers.com

1F80-261

Single Stage

3 Programs

Pro-Spec #80s3wb

1F87-251

Single Stage

7 Programs

Pro-Spec #80s7b

1F86-244

Single Stage

Non-Programmable

Pro-Spec #80sØb

Pro-Spec Legend

Series	System	Programs	Power Source
90 - Premium	**s** - Single Stage	**7** - 7 day	**p** - Power stealing w/battery back-up
80 - Standard	**m** - Multi-Stage	**3** - 5/1/1 day	**wb** - Hardwired/battery
	h - Heat Pump	**2** - 5/2 day	**b** - Battery
70 - Economy	**d** - Dual *(heat pump/multi-stage)*	**Ø** - Non-programmable	**w** - Hardwired

WHITE-RODGERS

Controlling Indoor Comfort Worldwide Since 1937

St. Louis, Missouri 314-577-1300

Markham, Ontario 905-201-4701

www.white-rodgers.com

EMERSON Climate Technologies