

**Multi-Stage**  
Digital 5/1/1 Day  
Programmable and  
Non-Programmable  
Dual-Hardwired/  
Battery

White-Rodgers

**80 Series®**



Programmable



Non-Programmable

## Changing the World of Multi-Stage Thermostats For the Better.

We've improved the best-selling digital thermostat with new styling and enhanced home comfort features, specially designed for multi-stage use. 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 to a multi-stage system, don't forget the "brain" for your new system... your thermostat. Budget-priced digital 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! See the back to find out how this best-seller gives you more of what you want in a multi-stage thermostat.



**1F81-261**

Multi-Stage  
3 Programs

**1F83-261**

Multi-Stage  
Non-Programmable

**White-Rodgers™**

**EMERSON**  
Climate Technologies

# Multi-Stage

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

White-Rodgers

# 80 Series®

## Programming (1F81-261)

Choice of 5/1/1 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, no batteries needed

**New** — Indefinite setpoint Hold or programmable timed Hold up to 8 hours (1F81-261)

**New** — Air filter change indicator

**New** — Simple menu to activate optional features

Temporary temperature override until next program period (1F81-261)

Soft-touch keypad

Maintains room temperature differential within 1 degree

Display temperature recalibration (+/- 4°)

Includes 2 "AA" alkaline batteries for long battery life

## Performance

**New** — Selectable Energy Management Recovery (1F81-261)

**New** — Powerful next-generation microprocessor

Meets ENERGY STAR® specifications (1F81-261)

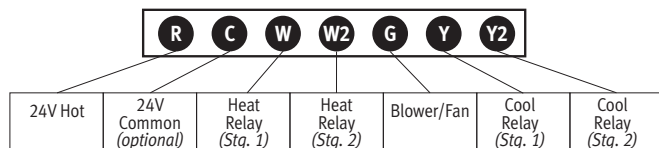
Meets California Building Code, Title 24 (1F81-261)

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

Compressor lockout protection (optional)

Electric heat option

## Terminal Designations



## Dimensions

6.1"W x 3.8"H x 1.1"D

## Electrical Specifications

### Rating

20 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

Multi-Stage—2-stage heat, 2-stage cool

Single Stage gas, oil, electric

## 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 max

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](http://www.white-rodgers.com)

# 1F81-261

Multi-Stage  
3 Programs

# 1F83-261

Multi-Stage  
Non-Programmable

**White**  
**Rodgers**

St. Louis, Missouri    Markham, Ontario  
314-553-3600    905-201-4701  
[www.white-rodgers.com](http://www.white-rodgers.com)

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

  
**EMERSON**  
Climate Technologies