

# White-Rodgers 80 Series®

# Heat Pump

## Heat Pump Thermostats

Enhanced  
Lighted  
Display



- 5/1/1 Day Programmable or Non-Programmable
- Hardwired



## 1F82-261

Heat Pump  
5/1/1 Day Programmable

## 1F89-211

Heat Pump  
Non-Programmable



Programmable



Non-Programmable

## Changing the World of Heat Pump Thermostats for the Better.

We've improved the best-selling digital thermostat with new styling and enhanced home comfort features, specially designed for heat pump applications. 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 a multi-stage, heat pump or single stage system, don't forget the "brain" for your new system...your thermostat. Our White-Rodgers 80 Series can maintain a set temperature to within one degree. Plus, there's a permanent memory that saves all programs and settings during a power loss.

**Comfort and Convenience with Versatility.** 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. You can also configure it with minimum and maximum temperature range for cooling or heating. The new 40% larger lighted display makes for clearer low-light viewing.

**Maximum Energy Savings.** Program heating and cooling times to cut energy use, not comfort. You can save up to 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 universal thermostat.

**White**  
Rodgers

  
**EMERSON**  
Climate Technologies

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## Programming (1F82-261)

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

60% larger LCD with improved contrast for easier reading

Lighted display for easier low-light viewing

## Comfort & Convenience

Permanent program retention during power loss, no batteries needed

Indefinite setpoint Hold or programmable timed Hold up to 8 hours (1F82-261)

Air filter change indicator

Simple menu to activate optional features

Temporary temperature override until next program period (1F82-261)

Soft-touch keypad

Maintains room temperature differential within +/- 1°

Display temperature recalibration (+/- 4°)

## Performance

Selectable Energy Management Recovery (1F82-261)

Powerful next-generation microprocessor

Meets ENERGY STAR® specifications (1F82-261)

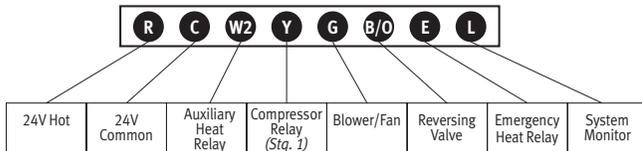
Meets California Building Code, Title 24 (1F82-261)

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

B or O terminal (selectable)

Compressor lockout protection (optional)

## Terminal Designations



## Dimensions

3.8"H x 6.1"W x 1.1"D

## Electrical Specifications

### Rating

20 to 30 VAC, 50/60 Hz or DC

0.05 to 1.2 Amps (load per terminal)

1.5 Amps maximum load (all terminals combined)

### Standard Systems

Heat Pump—2 stage heat, 1 stage cool

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](http://www.white-rodgers.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                 | Program Override | 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) |
|                            |             | 2/1       | 5+1+1           | 1F82-261     |                  |                   |                      | H                        |                                 | ✓                | ✓                          |                  | ✓           | 1.8                            | 2+                            | ✓               |              |                                       | P                                    | 1                |
|                            |             | 2/1       | ∅               | 1F89-211     |                  |                   |                      | H                        |                                 |                  |                            |                  |             | 1.8                            | 2+                            | ✓               |              |                                       | P                                    | 1                |

\* H = Hardwire (Requires Common)

**White  
Rodgers**

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

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