

White-Rodgers 80 Series®

Universal Single Stage/ Multi-Stage/Heat Pump

Universal Thermostats

Enhanced
Lighted
Display



- Auto-Changeover
- 7 Day, 5/1/1 Day Programmable or Non-Programmable
- Hardwired or Battery Powered

1F85-277

Multi-Stage/Heat Pump/Single Stage
7 Day, 5/1/1 Day Programmable
or Non-Programmable

1F85-275

Multi-Stage/Heat Pump/Single Stage
5/1/1 Day Programmable
or Non-Programmable

1F83-277

Multi-Stage/Heat Pump/Single Stage
Non-Programmable



Programmable



Non-Programmable

Creating the World of Universal Thermostats for Single Stage, Multi-Stage, Heat Pump and Truck Stock Use.

We've improved the best-selling digital thermostat by combining a single stage, multi-stage and heat pump into one universal thermostat. And better yet we've enhanced it with the new styling and home comfort features, specially designed for all systems. 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 models deliver perfect comfort, as they automatically change to the temperature you selected for wake-up, during the day, evening hours and while you sleep. You can also configure them 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 (1F85-277)/(1F85-275)

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%

Patented pre-programmed software simplifies time and temperature programming

Display

40% larger LCD with improved contrast for easier reading

Lighted display for easier low-light viewing

Performance

Universal – Single Stage, Multi-Stage or Heat Pump

Dual Powered (Hardwire and Battery) (Patented)

Coded keypad lockout

Selectable Energy Management Recovery (1F85-275)/(1F85-277)

Meets ENERGY STAR® specifications (1F85-275)/(1F85-277)

Meets California Building Code, Title 24 (1F85-275)/(1F85-277)

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

Compressor lockout protection (optional)

Setpoint temperature limits

Comfort & Convenience

Optional minimum and maximum temperature configurable

Auto Changeover (optional)

Permanent program retention during power loss, no batteries needed

Indefinite setpoint Hold

Air filter change indicator

Simple “set-up” menu to activate optional features

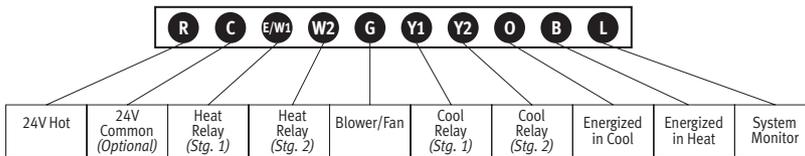
Programmed temporary temperature override 4 hours max.

Maintains room temperature differential within +/- 1°

Display temperature recalibration (+/- 4°)

Includes 2 “AA” alkaline batteries for long battery life

Terminal Designations



Dimensions

6.1"H x 3.8"W 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)

2.5 Amps maximum load (all terminals combined)

Standard Systems

Multi-Stage—2 stage heat, 2 stage cool

Heat Pump—2 or 3 stage heat, 1 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 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

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)
1/1	2/2	2/1	7, 5+1+1, Ø	1F85-277	✓		✓	H/B	✓	✓	✓		✓	2.2	2+	✓		✓	P	1
1/1	2/2	2/1	5+1+1, Ø	1F85-275	✓		✓	H/B	✓	✓	✓		✓	2.2	2+	✓		✓	P	1
1/1	2/2	2/1	Ø	1F83-277	✓		✓	H/B	✓					2.2	2+	✓		✓	P	1

* H/B= Hardwired or Battery option

White
Rodgers

St. Louis, Missouri Markham, Ontario
314-553-3600 905-201-4701
www.white-rodgers.com

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