

White-Rodgers 80 Series® Blue

Universal

5-Year
Warranty



Universal Thermostats

- For Single Stage, Multi-Stage and Heat Pump Systems
- 5/1/1 Day, 5/2 Day Programmable or Non-Programmable
- Hardwired or Battery Powered

1F85-0471/1F85-0422

Universal
5/1/1, 5/2 Day or 0 Programs
Includes Wall Plate F61-2634

1F83-0471/1F83-0422

Universal
Non-Programmable
Includes Wall Plate F61-2634



80 Series Blue Adds “Universal” to the Line-up

The best-selling digital thermostat series now has Blue. 80 Series Blue has a large 4-square-inch, easy-to-view Blue display and enhanced home comfort features. Take all the best features of the 80 Series, add exclusive Cool Savings™, dedicated programmable or non-programmable, longer battery life with exclusive battery power monitor – put it all in a sleek, compact package and you have 80 Series Blue. Tried and true now comes in Blue!

White
Rodgers


EMERSON
Climate Technologies

White-Rodgers

80 Series[®] Blue Universal Thermostats

1F85-0471/1F85-0422

5/1/1, 5/2 Day or 0 Programs

1F83-0471/1F83-0422

Non-Programmable

- For Single Stage, Multi-Stage and Heat Pump Systems
- 5/1/1 Day, 5/2 Day Programmable or Non-Programmable
- Hardwired or Battery Powered

Exclusive 80 Series Blue Features

- Large, 4-square-inch Blue display with easy-to-see characters
- Quick one-button programming (See Automatic Schedule section in installation instructions)
- Configures as manual heat/cool, auto changeover, heat only or cool only
- Exclusive Cool Savings™ feature saves energy during peak A/C demand periods
- Hydronic 2 or 3 wire applications
- Three anticipation settings
- Exclusive battery power monitor
- Longer battery life
- Easy-access battery compartment
- 5-year warranty

Programming

- Choice of 5/1/1 day programmable, 5/2 day or non-programmable (1F85-0471, 1F85-0422)
- 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

- Large LCD with improved contrast for easier reading
- Lighted display for easier low-light viewing

Comfort & Convenience

- Optional minimum and maximum temperature configurable
- Permanent program retention during power loss
- Indefinite setpoint Hold
- Air filter change indicator (optional)
- Simple "set-up" menu to activate optional features
- Temporary temperature override two-hour minimum or until next program period (1F85-0471, 1F85-0422)
- Soft-touch keypad
- Display temperature recalibration (+/- 4°)

Performance

- Dual-Powered...choice of battery-powered or hardwired, for all applications
- Selectable Energy Management Recovery (1F85-0471, 1F85-0422)
- Meets ENERGY STAR[®] specifications (1F85-0471, 1F85-0422)
- Meets California Building Code, Title 24 (1F85-0471, 1F85-0422)
- Fast (FA) or slow (SL) heating cycle anticipation
- Easy-to-wire terminal block
- Compressor lockout protection
- Millivolt compatible
- Electric heat option

Terminal Designations



Dimensions

5.1"W x 3.9"H x 1.2"D

Electrical Specifications

Rating

0 to 30 VAC, 50/60 Hz or DC

0.05 to 1.5 Amps (load per terminal)

2.5 Amps maximum load (all terminals combined)

Standard Systems

Gas, oil, electric

Single Stage/Heat Pump/Multi-Stage

Millivolt Systems

2 or 3 wire hydronic zone valve

Thermal Specifications

Setpoint Temperature Range: 45° to 90° F (7° to 32° C)

80 Series Blue Rated Differential: 0.4° to 1.7° 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 F61-2634 (6.5"W x 5"H) for 80 Series Blue (Included with 1F85-0471, 1F85-0422, 1F83-0471, 1F83-0422)

Thermostat Guard F29-0231

(For additional guard options refer to White-Rodgers catalog at www.white-rodgers.com)

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	Heat Only or Cool Only Option	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	3/2	5+1+1, 5+2, 0	1F85-0471	✓	✓	✓	B, H	✓	✓	✓		✓	4.0	2+	✓**	✓	✓	P	5
1/1	2/2	2/1	5+1+1, 5+2, 0	1F85-0422	✓	✓	✓	B, H	✓	✓	✓		✓	4.0	2+	✓**	✓	✓	P	5
1/1	2/2	3/2	0	1F83-0471	✓	✓	✓	B, H	✓	✓				4.0	2+	✓**	✓	✓	P	5
1/1	2/2	2/1	0	1F83-0422	✓	✓	✓	B, H	✓	✓				4.0	2+	✓**	✓	✓	P	5

* B, H = Battery or Hardwire option
** Optional Continuous Display Light with Hardwire Connection



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

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



WR-7255-1