

# BIG BLUE™ Universal Touchscreen Thermostats

## Single Stage/Multi-Stage/Heat Pump

Choice of Single Stage or Staging Models

Digital 7 Day, 5/1/1 Day Programmable or Non-Programmable

Hardwired or Battery Powered with Power Stealing Assist



### 1F95-1291<sup>4/2</sup>

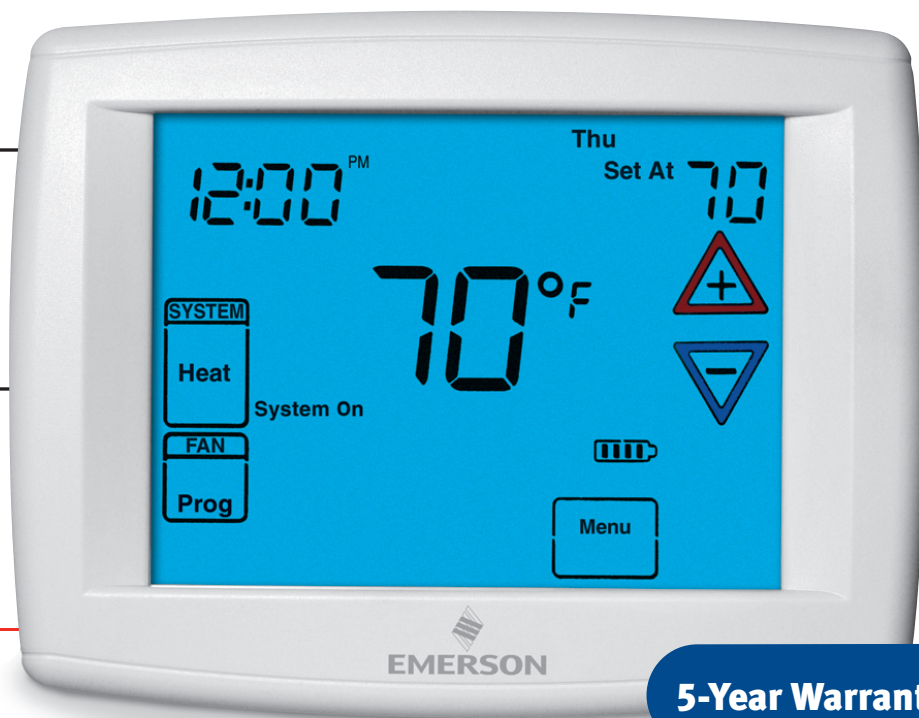
Single Stage/Multi-Stage/Heat Pump  
Universal  
Humidity Control

### 1F95-1277<sup>3/2</sup>

Single Stage/Multi-Stage/Heat Pump  
Universal  
Programmable Fan/Remote Sensor

### 1F97-1277<sup>1/1</sup>

Single Stage  
Programmable Fan/Remote Sensor



**5-Year Warranty**

## Emerson...the Color of Comfort & Innovation

White-Rodgers set an industry benchmark with the Blue™ Touchscreen Thermostats. Now, the Emerson® Big Blue™ Touchscreens offer even more features, delivering a new level of comfort to your customers.

Simple and logical installer menu set-up and programming and operation are enhanced with audio confirmation of touchscreen entries. Features like variable touchscreen security to prevent tampering, temporary and vacation overrides, and filter change reminders add convenience.

The Big Blue™ touchscreen thermostats include humidity control, programmable fan and remote sensing, as well as the exclusive Cool Savings™ feature and dual fuel control, providing the ultimate in comfort control. Our +/- 1° temperature accuracy will keep your customers comfortable and protect their HVAC systems.

Emerson® Big Blue™ is the result of smart, innovative thinking. Install Big Blue™ with confidence because it's exclusively for the professional trade. See back for all the specifications.

White  
Rodgers™

  
**EMERSON**  
Climate Technologies

Choice of Single Stage or Staging Models  
 Digital 7 Day, 5/1/1 Day Programmable or Non-Programmable  
 Hardwired or Battery Powered with Power Stealing Assist

### Exclusive Big Blue™ Features

- Large, 12-square-inch display with 10-second backlight
- Exclusive Cool Savings™ feature saves energy during peak A/C demand periods
- Dual fuel with logic program or outdoor temperature sensor – 1F95-1291
- Dual fuel with outdoor temperature sensor – 1F97/95-1277
- Humidity control
- Remote sensing indoor or outdoor and at the thermostat
- Programmable fan
- Circulator fan cycling
- Automatic daylight savings option

### Programming

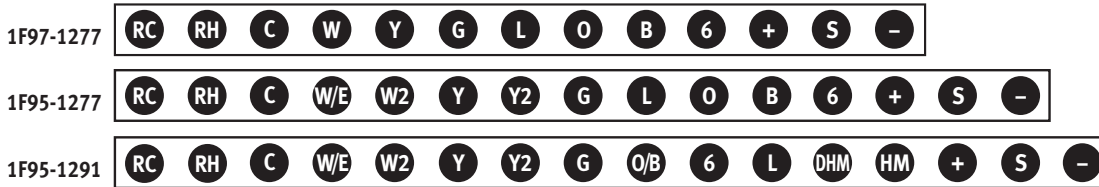
- Choice of 7 day, 5/1/1 day programmable or non-programmable (installer selectable)
  - 4 time and 4 temperature settings per program (2 setbacks) heat and cool, or selectable - 2 time and 2 temperature settings (1 setback)
  - Energy savings up to 33%
  - Patented pre-programmed schedule simplifies time and temperature programming
- ### Display
- Large, 12-square-inch touchscreen display – largest in the industry
  - Blue, lighted display for easier low-light viewing
  - Larger, easy-to-read character size
  - Extra-large touch keys for easy operation
  - Clean, uncluttered touchscreen display provides easier navigation

### Performance

- Universal Dual-Powered – choice of hardwired or battery back-up with power stealing assist
  - Selectable Energy Management Recovery
  - Meets ENERGY STAR® specifications
  - Meets California Building Code, Title 24
  - Fast (FA) or slow (SL) heating cycle anticipation
  - Exclusive “Call for Service” diagnostic indicator
  - Compressor lockout protection
  - Millivolt compatible
  - Electric heat option
- ### Comfort & Convenience
- Intuitive menu-driven set-up, programming and operation, with audio prompt to confirm touchscreen entries
  - Permanent program retention during power loss

- Indefinite setpoint Hold or 4-hour temporary temperature override
- Temporary temperature override – can be set from 15 minutes for temporary adjustments up to 7 days for Vacation override
- Auto heat/cool changeover option – automatically switches between heating and cooling programs
- Heating and cooling, heating only or cooling only configuration (installer selectable)
- Setpoint temperature “limited range” capable
- Enhanced (variable) touchscreen security prevents tampering
- Furnace filter change reminder
- Humidifier pad change reminder (-1271 only)
- Maintains room temperature to within +/- 1° F
- Room temperature display can be recalibrated up to +/- 4° F

### Terminal Designations\* – Terminal Block Wire Connection



\*See installation instructions or [www.white-rogers.com](http://www.white-rogers.com) for terminal descriptions

### Dimensions

4.6"H x 5.9"W x 1.2"D

### Thermal Specifications

- Setpoint Temperature Range: 45° to 99°F (7° to 37°C)
- Rated Differential: Heat 0.6°F; Cool 1.2°F
- Operating Ambient Temperature: 32° to 105°F (0° to 41°C)
- Operating Humidity Range: 90% non-condensing maximum
- Shipping Temperature Range: -40° to 150°F (-40° to 65°C)

### Electrical Specifications

- Rating: Battery Power: mV to 30 VAC, NEC Class II, 50/60 Hz or DC
- Input-Hardwire: 20 to 30 VAC
- 1.5 Amps (load per terminal)
- 2.5 Amps maximum load (all terminals combined)
- Standard Systems: Single Stage gas, oil, electric
- Single Stage heat pump
- Millivolt Systems
- Multi-Stage gas, oil, electric (1F95-1291, 1F95-1277)
- Multi-Stage heat pump (1F95-1291, 1F95-1277)

### Accessories

- Remote Sensors: Indoor – F145-1328, Outdoor – F145-1378
- Thermostat Guards: Clear – F29-0198, Metal – F29-0220 (solid base), F29-0222 (ring base)
- Wall Plates: F61-2600 (8.1"W x 5.4"H), F61-2634 (6.5"W x 5"H)

### For Additional Information

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

Single Stage	Multi-Stage	Heat Pump	Model	Programs	Applications	Selectable Performance Features														Comfort and Convenience Features											
Stages Heat/Cool by System	Model Number	Program Options	Periods Per Day Options	Gas/Oil/Electric	3 Wire Zone	Millivolt	Humidity Control (H) Humidify (D) Dehumidify	Power Source	Auto Changeover	Heat Only or Cool Only Option	Programmable Fan	Comfort Circulating Fan	Energy Mgt. Recovery	Energy Star	Dual Fuel Option	Keypad Lockout	Setpoint Temp. Lmts. Adj.	Program Override (AV) Adjust. Vari. (V) Variable (P) Current Prog.	Indoor Remote Sensor*	Outdoor Remote Sensor*	User Interface (T) Touchscreen/ (B) Button	Display Size (Square Inches)	Lighted Display**	Audible Feedback	Alkaline Battery Life™ (Years)	Cool Savings™	Daylight Sav. Adj. (A) Audio/ (B) Button	Furnace Lockout Ignit. Mod. Reset	Memory Back-up (P) Permanent (B) Battery	Display Temp. Recalibration	Warranty (Years)
1/1	2/2	4/2	1F95-1291	7,5+1+1,0	4, 2, 0	✓	✓	H/D	B,H,PA	✓	✓	✓	✓	✓	✓	✓	✓	AV	✓	✓	T	12.0	✓	✓	3	✓	A	✓	P	✓	5
1/1	2/2	3/2	1F95-1277	7,5+1+1,0	4, 2, 0	✓	✓		B,H	✓	✓	✓	✓	✓	✓	✓	✓	AV	✓	✓	T	12.0	✓	✓	3	✓	A	✓	P	✓	5
1/1		1/1	1F97-1277	7,5+1+1,0	4, 2, 0	✓	✓		B,H	✓	✓	✓	✓	✓	✓	✓	✓	AV	✓	✓	T	12.0	✓	✓	3	✓	A	✓	P	✓	5

B = Battery, H = Hardwired, PA = Power Stealing Assist \*\*\* Optional Continuous Display Light w/Hardwire Connection \*\* Recommended Battery Change Interval Is Once Per Year  
 † Only One (1) Remote Sensor May Be Used – Either Indoor or Outdoor; or Logic Program and Indoor Remote Sensor