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 heat pump 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.
**BIG BLUE™ Universal Touchscreen Thermostats**

**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

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### Exclusive Big Blue™ Features

- Large, 12-square-inch display with 10-second backlight
- Exclusive Cool Savings™ feature saves energy during peak AC demand periods
- Multi-stage capable with Smart Sure™ Logic Program or outdoor temperature sensor - 1F95-1291
- Dual fuel with outdoor temperature sensor – 1F97-1277
- Humidity control
- Remote sensing indoor or outdoor and at the thermostat
- Programmable fan
- Automatic daylight savings option

### Programmating

- Choice of 7 day, 5/1/1 day programmable or non-programmable (installer selectable)
- 4 time and 4 temperature settings per program (2 setback) heat and cool, or selectable - 2 time and 2 temperature settings (1 setback)
- Energy savings up to 33%
- Potentially 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 backup with power stealing assist
- Selectable Energy Management Recovery
- Meets California Building Code, Title 24
- Fault (VAC) or low (SU) heating cycle anticipation
- Exclusive “Call for Service” diagnostic indicator
- Compressor lockout protection
- Millivolt compatible
- Electric heat option

### Comfort & Convenience

- Intuitive menu-driven setup, programming and operation, with audio prompts 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
- 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
- Enhance (variable) touchscreen security prevents tampering
- Humidity pad change reminder
- Maintains room temperature to within 1˚F
- Room temperature display can be recalibrated up to ±4˚F

### Terminal Designations* – Terminal Block Wire Connections

1F97-1277
- C
- W
- B
- L
- E

1F95-1291
- C
- W
- B
- L
- E

### 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)
- Single Stage heat pump, gas, oil
- Multi-Stage heat pump (1F95-1291, 1F95-1277)
- Multi-Stage gas, oil, electric (1F95-1291, 1F95-1277)
- Multi-Stage gas, oil, electric (1F95-1291, 1F95-1277)

### Dimensions

- Width: 4.67" x 6.94" x 1.27"

### Thermal Specifications

- Setpoint Temperature Range: 45˚ to 99˚F (7˚ to 37˚C)
- Rated Differential: Heat 6.0°F; Cool 2.7°F
- Operating Ambient Temperature: 32˚ to 105˚F (0˚ to 41˚C)
- Operating Humidity Range: 32˚ to 105˚F (0˚ to 41˚C)
- 90% non-condensing maximum
- Shipping Temperature Range: 45˚ to 150˚F (7˚ to 65˚C)

### Contractor Branding

- Impress thermostat with your contact information.
- See your wholesaler or visit white-roddgers.com

### Accessories

- Remote Sensors
  - Indoor – F145-1378
  - Outdoor – F145-1378
- Thermostat Guards
  - Clear – F29-0198
  - Metal – F29-0210 (solid base)
  - F29-0222 (ring base)
- Wall Plates
  - F61-2600 (8.1"W x 5.4"H)
  - F61-2634 (6.5"W x 9"H)

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**White Rodgers**

St. Louis, Missouri  
Markham, Ontario

314-553-3600  
905-948-3411

www.white-roddgers.com  
www.emerson.com

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**Marketing Support Inc.**

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