BLUE™ Universal Touchscreen Thermostats

Single Stage/Multi-Stage/Heat Pump

Choice of Single Stage, Staging or Staging with Humidity Control

7 Day, 5+1+1 Day Programmable or Non-Programmable

Hardwired or Battery Powered – or Power Stealing Assist (1F95-1291)

1F95-1291

Universal — Humidity Control
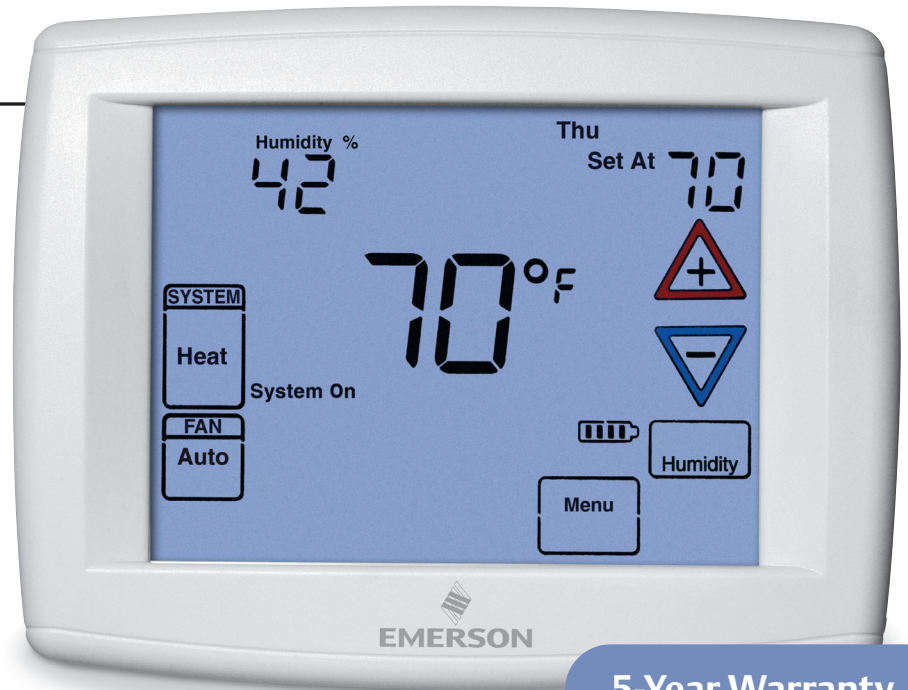
Single Stage	Multi-Stage	Heat Pump
1/1	2/2	4/2

1F95-1277

Universal — Programmable Fan/Remote Sensor

Single Stage	Multi-Stage	Heat Pump
1/1	2/2	3/2

1F97-1277

Programmable Fan/Remote Sensor

Single Stage	Multi-Stage	Heat Pump
1/1		2/1

1F95-1291

5-Year Warranty

Emerson...Delivering Comfort & Innovation

Emerson® Blue™ 12 Square-Inch Touchscreens offer 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.

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

White Rodgers™

EMERSON™ Climate Technologies

BLUE™ Universal Touchscreen Thermostats

1F95-1291/1F95-1277
Single Stage/Multi-Stage/Heat Pump

Choice of Single Stage, Staging or Staging with Humidity Control
7 Day, 5+1+1 Day Programmable or Non-Programmable
Hardwired or Battery Powered – or Power Stealing Assist (1F95-1291)

1F97-1277
Single Stage/Heat Pump

Exclusive Blue™ Features

Humidity control – 1F95-1291

Dual fuel capable with Smart Fuel™ Logic Program or outdoor temperature sensor – 1F95-1291

Dual fuel with outdoor temperature sensor – 1F97/95-1277

Large, 12 square-inch display with 10-second backlight

Exclusive Cool Savings™ feature saves energy during peak A/C demand periods

Remote sensing indoor or outdoor and at the thermostat

Programmable fan

Automatic daylight savings option

Programming

Choice of 7 day, 5+1+1 day programmable or Ø (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%

Display

Large, 12 square-inch touchscreen display

Blue, high-contrast lighted display for easier low-light viewing

Larger, easy-to-read character size

Extra-large touch keys for easy operation

Performance

Universal Dual-Powered – choice of hardwired or battery back-up – or power stealing assist (1F95-1291)

Selectable Energy Management Recovery

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

Maintains room temperature to within +/- 1˚ F

Room temperature display can be recalibrated up to +/- 4˚ F

Terminal Designations* – Terminal Block Wire Connections

1F95-1291: RC RH C W/E W2 Y Y2 O/B L G + S – 6 DHM HM

1F95-1277: RC RH C W/E W2 Y Y2 O B L G + S – 6

1F97-1277: RC RH C W/E Y O B L G + S – 6

* See installation instructions or www.white-rodgers.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, 1F97-1277)

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)

Contractor Branding
Imprint thermostat with your contact information. See your wholesaler or visit **white-rodgers.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) Humidity (D) Dehumidify	Power Source	Auto Changeover	Heat Only or Cool Only Option	Programmable Fan	Energy Mgt. Recovery	Energy Aware	Dual Fuel Option	Keypad Lockout	Setpoint Temp. Lmts. Adj.	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)Auto/(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,Ø	4, 2, Ø	✓	✓	✓	H/D	B, H, PA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T	12.0	✓	✓	3	✓	A	✓	P	✓	5
1/1	2/2	3/2	1F95-1277	7,5+1+1,Ø	4, 2, Ø	✓	✓	✓		B, H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	T	12.0	✓	✓	3	✓	A	✓	P	✓	5
1/1		2/1	1F97-1277	7,5+1+1,Ø	4, 2, Ø	✓	✓	✓		B, H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	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