

## EMERSON BLUE 12"

## TOUCHSCREEN THERMOSTATS

White  
Rodgers

1F95-1291



1F95-1277

F145-1328  
Indoor Remote SensorF145-1378  
Outdoor Remote Sensor

BLUE 12" TOUCHSCREEN - UNIVERSAL AND SINGLE STAGE MODELS - 12 SQ. IN. DISPLAY Offers the Ultimate in Comfort, Convenience, Performance and Visibility.

## FEATURES

- Universal models quickly configure for single stage, multi-stage, heat pump and heat pump dual fuel systems - programmable or non-programmable.
- **Humidity control** offers humidification/dehumidification.
- **Commercial** offers occupied damper or economizer control.
- **Staging** control for nearly all conventional and heat pump systems.
- **Single stage** model compatible with all single stage systems low voltage, 750 mV, 3-wire zone systems and 2H/1C heat pump systems.
- Heat Pump dual fuel option eliminates the need for a fossil fuel kit.
- Automatic changeover option.
- Program fan options.
- Keypad lockout and setpoint temperature limit options.
- Indoor remote sensor for averaging option.
- Outdoor remote sensor option. Add to Universal models for outdoor temp reading or, on select models, dual fuel balance point and outdoor thermostat functions.
- Dual power - hardwire and/or battery (1F95-1277 and 1F97-1277) or Tripower - hardwire and/or battery with system assist (1F95-1291 and 1F95-1280).

## SPECIFICATIONS

## Electrical Rating:

Hardwire . . . . .	20-30 VAC, NEC Class II 50/60Hz
Battery Power . . . . .	mV to 30 VAC, NEC Class II, 50/60 Hz or DC
Terminal Load . . . . .	1.5 A per terminal, 2.5 A maximum all terminals combined

Setpoint Range . . . . . 45 to 99°F (7 to 37°C)

Rated Differentials: . . . . . Fast Med. Slow

Heat (Single Stage/Multi-Stage) . . . . . 0.4°F 0.6°F 1.7°F

Cool (Single Stage/Multi-Stage) . . . . . 0.9°F 1.2°F 1.7°F

Heat Pump . . . . . 0.9°F 1.2°F 1.7°F

Emer. Heat . . . . . 0.6°F 1.7°F

Operating Ambient . . . . . 32 to +105°F (0 to +41°C)

Operating Humidity . . . . . 90% non-condensing max.

Shipping Temperature Range . . . . . -4 to +150°F (-20 to 65°C)

Dimension . . . . . 4<sup>9</sup>/<sub>16</sub>" H x 5<sup>13</sup>/<sub>16</sub>" W x 1<sup>13</sup>/<sub>16</sub>" D

## PARTS AND ACCESSORIES See end of this section for additional parts and accessories

- F145-1328 — Indoor remote sensor
- F145-1378 — Outdoor remote sensor
- F61-2600 — Wallplate 8<sup>1</sup>/<sub>8</sub>" W x 5<sup>3</sup>/<sub>8</sub>" H
- F61-2634 — Wallplate 6<sup>1</sup>/<sub>2</sub>" W x 5" H (or order F61-2648 — 6 pack of F61-2634)
- F29-0198 — Locking Thermostat Guard - Clear Plastic
- F29-0220 — Locking Thermostat Guard - Metal, Solid Base
- Additional Thermostat Guards — see pages 24-25 for quick selection options

UNIVERSAL STAGING/HEAT PUMP THERMOSTATS – EMERSON BLUE 12" THERMOSTATS

Single Stage	Multi-Stage	Heat Pump	Programs		Model	Applications					Thermostat Power Source*	Selectable Performance Features								Comfort and Convenience Features		Terminals		
			Stages Heat/Cool by System	Program Options		Periods Per Day Options	Model Number	Gas / Oil / Electric	3 Wire Zone Valve	Millivolt Compatible		Economizer	Humidity Control (H)-Humidity / (D)-Dehumidify	Auto Changeover	Programmable Fan	Energy Mgt. Recovery	Dual Fuel Heat Pump Control (L)-Logic / (O)-Outdoor Sensor	Keypad Lockout (T)-Total / (P)-Partial	Set-Point Temperature Limits Adjustable Max/Min	Indoor Remote Sensors Max. Number + Thermostat Average and/or Weighted	Outdoor Remote Sensor		Display Size Square inches	Lighted Display
1/1	2/2	4/2	7, 5+1+1, Ø	4, 2, Ø	1F95-1291 Humidity Control	✓	✓	✓		H, D	B, H, PA	✓	✓	✓	L, O <sup>‡</sup>	T, P	✓	1+1	1▼	12.0	✓***	✓	P	RC, RH, C, G, Y, Y2, W/E, W2, O/B, L, +, S, -, 6, DHM, HM
1/1	2/2	4/2	7, 5+1+1, Ø	2, Ø	1F95-1280 Commercial	✓	✓	✓	✓		B, H, PA	✓	✓	✓	L, O <sup>‡</sup>	T, P	✓	1+1	1▼	12.0	✓***	✓	P	RC, RH, C, G, Y, Y2, W/E, W2, O/B, L, +, S, -, 6, A1
1/1	2/2	3/2■	7, 5+1+1, Ø	4, 2, Ø	1F95-1277 Universal	✓	✓	✓			B, H	✓	✓	✓	O <sup>‡</sup>	T, P	✓	1+1	1▼	12.0	✓***	✓	P	RC, RH, C, W/E, W2, Y, Y2, G, O, B, 6, L, +, S, -

SINGLE STAGE THERMOSTAT – EMERSON BLUE 12" THERMOSTATS

Single Stage	Multi-Stage	Heat Pump	Programs		Model	Applications					Thermostat Power Source*	Selectable Performance Features								Comfort and Convenience Features		Terminals		
			Stages Heat/Cool by System	Program Options		Periods Per Day Options	Model Number	Gas / Oil / Electric	3 Wire Zone Valve	Millivolt Compatible		Economizer	Humidity Control (H)-Humidity / (D)-Dehumidify	Auto Changeover	Programmable Fan	Energy Mgt. Recovery	Dual Fuel Heat Pump Control with Outdoor Sensor	Keypad Lockout (T)-Total / (P)-Partial	Set-Point Temperature Limits Adjustable Max/Min	Indoor Remote Sensors Max. Number + Thermostat Average and/or Weighted	Outdoor Remote Sensor		Display Size Square inches	Lighted Display
1/1		2/1	7, 5+1+1, Ø	4, 2, Ø	1F97-1277	✓	✓	✓			B, H	✓	✓	✓	✓†	T, P	✓	1+1	1▼	12.0	✓***	✓	P	RC, RH, C, W/E, Y, G, O, B, L, 6, +, S, -

\* H = Hardwired (Requires Common)  
 B, H = Battery Powered or Hardwired  
 B = Battery Powered  
 PA = Power Saving Battery Assist

† If F145-1378 outdoor remote sensor is not used, install manufacturers fossil fuel kit for Dual Fuel applications  
 \*\*\* Optional Continuous Display Light w/ Hardwire connection  
 ▼ Only one (1) remote sensor may be used – either Indoor or Outdoor  
 ■ 4/2 on Dual Fuel using Outdoor Remote Sensor



TECHNICAL HELP

1F97-1277 .....	Wiring Diagrams/Configuration .....	See pages 126-127
1F95-1280 / 1F95-1291 .....	Wiring Diagrams/Configuration .....	See pages 128-131
1F95-1277 .....	Wiring Diagrams/Configuration .....	See pages 132-133