

EMERSON BLUE 2" THERMOSTATS

White
Rodgers



1F82-0261



1F89EZ-0251
(coming soon)



1F86-0244



1F86EZ-0251
(coming soon)

BLUE 2" THERMOSTATS - 2 SQ. IN. DISPLAY
Heat Pump or Single Stage Models, easy to see Display Characters
Offering a Step up from 70 Series.

FEATURES

- Heat Pump or Single Stage models.
- Programmable, 5/1/1 Day, 24 Hour, 0-Day or Non-Programmable.
- Gas, Oil, Electric, mV.
- Cool Savings™ saves energy during peak A/C demand periods.
- Lighted display for easier low light viewing.
- Dual power - hardwired and/or battery powered.
- Fits horizontal junction box.
- Air filter change indicator option.

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	1.0 A per terminal, 1.5 A maximum all terminals combined

Setpoint Range 45 to 90°F (7 to 32°C)

Rated Differentials, Universal Models: Fast Med. Slow

Heat (Single Stage) 0.8°F 1.2°F 1.2°F

Cool (Single Stage) 1.2°F 1.7°F 1.7°F

Heat Pump 1.2°F 1.7°F 1.7°F

Aux./Emer Heat 0.8°F 1.2°F 1.2°F

Rated Differentials, Single Stage Models: Fast Med. Slow

Heat 0.6°F 0.8°F 1.2°F

Cool 1.2°F 1.7°F 1.7°F

Heat Pump 0.8°F 1.2°F 1.2°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 3³/₄" H x 4³/₄" W x 1¹/₂" D

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

- F61-2634 — Wallplate 6¹/₂" W X 5" H, for use with or without horizontal junction box
- F61-2648 — Wallplate (6 pack of F61-2634 above)
- Thermostat Guards — see pages 24-25 for quick selection



HEAT PUMP THERMOSTATS – EMERSON BLUE 2" THERMOSTATS

Single Stage	Multi-Stage	Heat Pump	Programs		Model	Applications				Thermostat Power Source*	Selectable Performance Features						Comfort and Convenience Features			Terminals	
			Program Options	Periods Per Day Options		Model Number	Gas / Oil / Electric	3 Wire Zone Valve	Millivolt Compatible		Humidity Control (H)-Humidity / (D)-Dehumidify	Auto Changeover	Programmable Fan	Energy Mgt. Recovery	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
		2/1	5+1+1	4	1F82-0261	✓		✓		B, H			✓					2.0	✓***	P	R, C, Y, W2, G, O/B, L
**		2/1	Non-Programmable – Home-Sleep-Away		1F89EZ-0251	✓		✓		B, H								2.0	✓***	P	R, C, Y, W2, G, O/B, L
		2/1	∅	∅	1F89-0211	✓		✓		B, H								2.0	✓***	P	R, C, Y, W2, G, O/B, L

SINGLE STAGE THERMOSTATS – EMERSON BLUE 2" THERMOSTATS

Single Stage	Multi-Stage	Heat Pump	Programs		Model	Applications				Thermostat Power Source*	Selectable Performance Features						Comfort and Convenience Features			Terminals	
			Program Options	Periods Per Day Options		Model Number	Gas / Oil / Electric	3 Wire Zone Valve	Millivolt Compatible		Humidity Control (H)-Humidity / (D)-Dehumidify	Auto Changeover	Programmable Fan	Energy Mgt. Recovery	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		1/1	5+1+1	4	1F80-0261	✓		✓		B, H			✓					2.0	✓***	P	R, C, Y, W, G, O/B
1/1		1/1	24 Hours	4	1F80-0224	✓		✓		B, H			✓					2.0	✓***	P	R, C, W, Y, G, O/B
**		1/1	Non-Programmable – Home-Sleep-Away		1F86EZ-0251	✓		✓		B, H								2.0	✓***	P	R, C, Y, W, G, O/B
1/1		1/1	∅	∅	1F86-0244	✓		✓		B, H								2.0	✓***	P	R, C, Y, W, G, O/B

* H = Hardwired (Requires Common)
B, H = Battery Powered or Hardwired
B = Battery Powered

** Coming Soon
*** Optional Continuous Display Light w/ Hardwire connection



TECHNICAL HELP

1F80-0224 / 1F80-0261 /
1F86-0422 / 1F87-0261 . Wiring Diagrams/Configuration..... See pages 153-154
1F82-0261 / 1F89-0211 . Wiring Diagrams/Configuration..... See pages 155-156