





# Homebuilder Solutions | THERMOSTAT REFERENCE GUIDE

EMERSON	Programming Option	Application Coverage by System	Display Size (Square Inches)		Stages Heat / Cool by System		Programs			Model Number	Applications				Thermostat Power Source*	Selectable Performance Features										Lit. Number				
			Conventional - Gas/Oil/Electric	Heat Pump	7-Day Program	5-1-1 Day Program	Non-Programmable	Program Periods Per Day Options	Gas/Oil/Electric		3-Wire Zone Valve	Millivolt Compatible	Humidity Control (H)=Humidify / (D)=Dehumidify	Auto Changeover		Programmable Fan	Energy Aware	Comfort Alert A.C. System Protection (P)-Passive / (A)-Active ‡	Dual Fuel Heat Pump Control (L)-Logic / (O)-Outdoor Sensor	Dual Fuel Heat Stages HP/Gas	*Aux. Heat Lockout with Outdoor Sensor	Keypad Lockout (T)-Total / (P)-Partial	Setpoint Temperature Limits Adjustable Max./Min.	Indoor Remote Sensors Max. Number + Thermostat Average and/or Weighted	Remote Temperature Sensing		Terminals	Specification Sheet		
<b>Emerson Sensi™ Wi-Fi Thermostat</b>																														
	Programmable or Non-Programmable	Universal - Single Stage, Multi-Stage or Heat Pump Heat Only and Cool Only Systems Require "C" wire	5.0	2/2	4/2	✓	✓	✓	4, 2, 0	1F86U-42WF Sensi™ Wi-Fi Thermostat	✓	✓†		Displays Room Humidity	B,H,PS	✓		✓											RC, RH, C, W/E, W2, Y, Y2, O/B, G, L	WR-1299
<b>Emerson Blue™ Touchscreen 12-Square-Inch Display Thermostats</b>																														
	Programmable or Non-Programmable	Universal - Single Stage, Multi-Stage or Heat Pump	12.0	2/2	4/2	✓	✓	✓	4, 0	1F98EZ-1441 ‡ Easy Install™ 4-Wire	✓			H,D	H	✓	✓	✓	P	O‡	2/2	✓		✓		1**	RC, RH, C, W/E, W2, Y, Y2, O/B, G, L, +, S, -, 6, DHM, DHM2, HM, HM2	WR-1627		
			12.0	2/2	4/2	✓	✓	✓	4, 2, 0	1F95-1291 Humidity	✓	✓	✓		H,D	B,H,PA	✓	✓	✓	A	L,O‡	2/2	✓	T,P	✓	1+1	1▼	RC, RH, C, W/E, W2, Y, Y2, O/B, G, L, +, S, -, 6, DHM, HM	WR-1959	
			12.0	2/2	4/2	✓	✓	✓	2, 0	1F95-1280 Commercial	✓	✓	✓			B,H,PA	✓	¥	✓	A	L,O‡	2/2	✓	T,P	✓	1+1	1▼	RC, RH, C, W/E, W2, Y, Y2, O/B, G, L, +, S, -, 6, A1	WR-4495	
			12.0	2/2	4/2	✓	✓	✓	4, 2, 0	1F95-1277	✓	✓	✓			B,H,PA	✓	✓	✓	A	L,O‡	2/2	✓	T,P	✓	1+1	1▼	RC, RH, C, W/E, W2, Y, Y2, O/B, G, L, +, S, -	WR-1959	
			12.0	1/1	2/1	✓	✓	✓	4, 2, 0	1F97-1277	✓	✓	✓			B,H,PA	✓	✓	✓	A	L,O‡	2/1	✓	T,P	✓	1+1	1▼	RC, RH, C, W/E, Y, O/B, G, L, 6, +, S, -	WR-1959	
<b>Emerson Blue™ 6-Square-Inch Thermostats</b>																														
	Programmable or Non-Programmable	Universal Wireless Remote	6.0	2/2	4/2	✓	✓	✓	4, 2, 0	1F98EZ-1621 Wireless Easy Install™	✓			H,D	B	✓	*	✓	P	L,O‡	2/2	✓	T,P	✓	3+1	4•	R, RC, RH, C, W/E, W2, Y, Y2, O/B, G, L, DHM, DHM2, HM, HM2	WR-3979		
		Universal	6.0	2/2	4/2	✓	✓	✓	4, 2, 0	1F95-0680 Commercial	✓	✓	✓		B,H,PA	✓	¥	✓	P	O‡	2/2	✓	T,P	✓	1+1	1▼	RC, RH, C, W/E, W2, Y, Y2, O/B, G, L, +, S, -, 6, A1	WR-4495		
			6.0	2/2	4/2	✓	✓	✓	0, 4, 2	1F95EZ-0671 Easy Reader™	✓	✓	✓			B,H,PA			✓	P	L	2/2			✓			RC, RH, C, W/E, W2, Y, Y2, O/B, G, L, 6	WR-3708	
<b>Emerson Classic 80 Series™ Thermostats</b>																														
	Programmable	Universal	2.2	2/2	3/2	✓	✓	✓	4, 2, 0	1F85-277	✓	✓		B,H	✓				P				T	✓			R, C, E/W1, W2, Y1, Y2, O, B, G, L	WR-2278		
		Single Stage	2.2	1/1	1/1	✓	✓	✓	4	1F87-361	✓	✓	✓		B,H													RC, RH, C, W, Y, O, B, G	WR-9617	
			2.2	1/1	1/1	✓	✓	✓	4	1F80-361	✓	✓	✓		B,H													RC, RH, C, W, Y, O, B, G	WR-9617	
	Heat Pump	1.8		2/1		✓	✓	✓	4	1F82-261	✓			H					P								R, C, W2, E, Y, O/B, G, L	WR-3585		
	Non-Programmable	Single Stage	2.2	1/1	1/1		✓	✓	✓	0	1F86-344	✓	✓		B,H													RC, RH, C, W, Y, O, B, G	WR-9617	
		Heat Pump	1.8		2/1		✓	✓	✓	0	1F89-211	✓			H					P								R, C, W2, E, Y, O/B, G, L	WR-3583	

\* B = Battery Powered  
H = Hardwired (Requires Common)  
PS = Power Stealing with Battery Back-Up  
PA = Power Stealing Battery Assist

§ Passive Comfort Alert — a detected fault will cause "CALL FOR SERVICE" to appear in thermostat display.  
Active Comfort Alert — performs same as Passive, plus, in case of Critical Fault, Active will shut down AC system to minimize service required.  
‡ Includes One Outdoor Remote Sensor (F145-1378)  
• Available without Remote Sensor - Order 1F98EZ-1421

‡ With an outdoor sensor installed you can select an outdoor temperature to turn the heat pump off and switch to the gas furnace when it's too cold outside for the pump to be efficient. 1F95-0680 & 1F95-0671 provide this option for both dual fuel or electric heat systems.  
▼ Only One (1) Remote Sensor May Be Used - Either Indoor or Outdoor

\* When used with an outdoor sensor provides option to lock out auxiliary heat above selected outdoor temperature.  
\*\* One Outdoor Remote Sensor Can Be Used - F145-1378 Included.  
¥ Occupancy Fan Option with Selectable Pre-Purge (1-3 Hours)  
† Requires Common Wire

• Up to Three Indoor and One Outdoor Wireless Sensors Can Be Used — Order F145RF-1600 (Sold Separately)