

PREMIER SERIES

Compatibility

- Single Stage Conventional or Heat Pump Systems
- Multistage Heat Pump Systems (5320)
- Multistage Conventional Systems (5320)
- 2-Wire Hydronic Zone Systems
- Millivolt Systems

Features

- 7 Day, 5-2 Day or Non-Programmable
- Auto or Manual Changeover
- Residential and Commercial Modes
- Hardwire or Battery Powered
- Permanent Memory Retains Settings
- Circulating and Programmable Fan Modes
- Separate User and Installer Reset Buttons
- User Selectable Service Monitors
- Indoor or Outdoor Remote Sensing
- Multi-Level Keypad Lockout
- Temporary Program Override
- Programmable Extended Hold Mode
- Adaptive Recovery Mode (ARM™)
- Trilingual Packaging and Instructions

Additional Features (5320)

- Heat Pump Balance Points
- Auxiliary Fresh Air Terminal
- Auxiliary Heat Fossil Fuel Option

*Complete Thermostat Feature Comparison on Page 24.



Universal Touchscreen Thermostat

5310 - 1 Heat / 1 Cool

5320 - 4 Heat / 2 Cool

SpeedBar® Multi-Function Button

Simplifies programming and set-up

Large 6.5 Sq. In. Touchscreen with Oversized Characters

Easier to view and change settings

SpeedSet® Programming Mode

Quickly program all 7 days

Quick Reference Instruction Card

User instructions with FREE Color Contractor Branding

Contractors! Buy a Premier Series thermostat and get a FREE Braeburn thermostat guard or remote sensor.

See Accessories - page 13.



FREE Color Contractor Branding on Quick Reference Instruction Card. See page 14.

	Model	Staging		Program			Application							Braeburn Thermostat Functions and Features																				Competitive Cross Reference					
	Braeburn Model No.	Conventional	Heat Pump	Non-Prog.	5-2 Day	7 Day	Electric	Gas or Oil	Heat Pump	Millivolt	Hydronic Systems 2 or 3 Wire	Battery / Hardwire	Wi-Fi	Wireless	Display Size (sq. in.)	Blue Backlight	Adjustable Differential(s)	Quick Reference Instruction Card	Permanent Memory	Reset Button (s)	Adaptive Recovery Mode	Circulating Fan	Service Monitor(s)	Auto Changeover	Keypad Lockout	Temperature Limits	Indoor / Outdoor Remote Sensing	Wireless Remote Sensing	Dual Fuel Capable	Programmable Fan	Balance Points	Economizer	Humidification	Residential and Commercial Modes	Warranty (Years)	Honeywell®	Emerson®		
MECHANICAL	500	1/1	1/1	●	-	-	●	●	●	●	2	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	T8034N, T834N T87N	1E56N	
	505	1/0	-	●	-	-	●	●	-	●	2	H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	T822K, T827K	1E30, 1E50, 1C20	
NON-PROGRAMMABLE	1000NC	1/1	1/1	●	-	-	●	●	●	●	2	●	-	-	.8	●	●	-	●	●	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	2	TH1110	1F78-144, 1E78-144
	1020	1/1	1/1	●	-	-	●	●	●	●	2	●	-	-	3	●	●	●	●	●	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	5	TH3110, TH5110	1F83C-11NP, 1F86-0244
	1020NC	1/1	1/1	●	-	-	●	●	●	●	2	●	-	-	2	●	●	●	●	●	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	5	TH1110, TH3110	1F78-144, 1E78-144
	1025NC	1/0	1/0	●	-	-	●	●	-	●	2/3	●	-	-	2	●	●	●	●	●	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	5	TH1100	1E78-140
	1200NC	2/1	2/1	●	-	-	●	●	●	●	2	●	-	-	.8	●	●	-	●	●	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	2	TH1210	1F79-111
	1220	2/2	2/2	●	-	-	●	●	●	●	2	●	-	-	3	●	●	●	●	●	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	5	TH3210, TH5220	1F83H-21NP, 1F89-0211
	1220NC	2/1	2/1	●	-	-	●	●	●	●	2	●	-	-	2	●	●	●	●	●	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	5	TH1210, TH3210	1F79-111
	3020	1/1	2/1	●	-	-	●	●	●	●	2/3	●	-	-	4	●	●	●	●	●	-	●	●	●	●	●	●	●	-	●	-	●	-	-	-	-	5	TH5110	1F86-0471, 1F85U-22NP
	3220	2/2	3/2	●	-	-	●	●	●	●	2/3	●	-	-	4	●	●	●	●	●	-	●	●	●	●	●	●	●	-	●	-	●	-	-	-	-	5	TH5220, TH5320	1F85U-42NP, 1F83-0471
PROGRAMMABLE	2000NC	1/1	1/1	-	●	-	●	●	●	●	2	●	-	-	1.2	●	●	-	●	●	●	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	2	TH2110	1F78-151, 1E78-151
	2020	1/1	1/1	●	●	●	●	●	●	●	2	●	-	-	3	●	●	●	●	●	●	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	5	TH4110	1F83C-11PR, 1F80-0261 1F80-0224
	2020NC	1/1	1/1	●	●	●	●	●	●	●	2	●	-	-	2	●	●	●	●	●	●	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	5	TH2110, TH4110	1F78-151, 1E78-151
	2200NC	2/1	2/1	-	●	-	●	●	●	●	2	●	-	-	1.2	●	●	-	●	●	●	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	2	TH2210	1F72-151
	2220	2/2	2/2	●	●	●	●	●	●	●	2	●	-	-	3	●	●	●	●	●	●	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	5	TH4210	1F83H-21PR, 1F82-0261
	2220NC	2/1	2/1	●	●	●	●	●	●	●	2	●	-	-	2	●	●	●	●	●	●	-	●	-	-	●	-	-	-	-	-	-	-	-	-	-	5	TH2210, TH4210	1F82-261, 1F72-151
	5020	1/1	2/1	●	●	●	●	●	●	●	2/3	●	-	-	5	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●	●	-	-	●	5	TH6110, TH6210	1F85U-22PR, 1F80-0471	
	5220	2/2	3/2	●	●	●	●	●	●	●	2/3	●	-	-	5	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●	●	-	-	●	5	TH6220, TH6320	1F85U-42PR, 1F85-0471 1F85-0477, 1F85-0422	
TOUCHSCREEN	5310	1/1	1/1	●	●	●	●	●	●	●	2	●	-	-	6.5	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	●	-	-	-	●	5	TB7100, TH8110	1F97-1277, 1F97-0671	
	5320	3/2	4/2	●	●	●	●	●	●	●	2	●	-	-	6.5	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●	●	●	●	-	●	5	TB7220, TH7220 TB8220, TH8320	1F95-0680, 1F95-0671 1F95-1277, 1F95-1280
	6100	1/1	1/1	●	●	●	●	●	●	●	2	●	-	-	12	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	●	-	-	-	●	5	TH8110	1F97-1277	
	6300	3/2	4/2	●	●	●	●	●	●	●	2	●	-	-	12	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●	●	●	●	-	●	5	TB8220, TH8320	1F95-1277, 1F95-1280
	6425	3/2	4/2	●	●	●	●	●	●	●	2	●	-	-	12	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●	●	●	●	●	●	5	TH8321	1F95-1291
BLUELINK®	7205	2/2	3/2	●	●	●	●	●	●	●	2	●	●	-	3	●	●	●	●	●	●	●	●	●	●	●	●	-	-	●	-	-	-	-	-	5	TH6320WF, TH6220WF	1F86U-42WF	
	7300	1/1	2/1	●	●	●	●	●	●	2/3	● ₁	●	-	5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●	●	-	-	●	5	TH6320WF*, TH6220WF*	1F86U-42WF*	
	7305	2/2	3/2	●	●	●	●	●	●	2/3	● ₁	●	-	5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	●	●	●	●	-	●	5	TH6320WF, TH6220WF	1F86U-42WF	
	7320	2/2	3/2	●	●	●	●	●	●	2	● ₁	●	-	6.5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	● ₃	●	5	TH6320WF, TH9320WF TH8320WF, TH8732WF	1F86U-42WF	
	7500	2/2	3/2	●	●	●	●	●	●	2/3	● ₂	-	●	5	●	●	●	●	●	●	●	-	●	●	●	●	●	●	●	●	-	● ₃	●	5	YTH5320R, YTH6320R	1F98EZ-1621			

¹24 VAC required for Wi-Fi
 ²Control module requires 24 VAC
 ³Requires 7330 remote sensor

Verify specific application requirements. All trademarks are the property of their respective owners. Product specifications may change without notice.

* If single stage is required.

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