Braeburn®

8500

Up to 3 Heat / 2 Cool Heat Pump
Up to 2 Heat / 2 Cool Conventional
Universal Wireless Thermostat Kit

BlueLink)))

Braeburn
BlueLink))) Control Module
PWR HEAT COOL FAN COMM

Braeburn
ROOM FAN AUTO)))
HEAT ON
OUTDOOR 60 TUE MORN 8:00 AM 70 SET
MENU
SYSTEM PROG HOLD FAN

5 YEAR LIMITED WARRANTY

Thermostat Features

- 7 Day, 5-2 Day or Non-Programmable
- Large 4.4 Sq. In. Backlit Display
- Auto or Manual Changeover
- Residential or Commercial Modes
- Battery Operated for Total Installation Flexibility
- Compatible with 2 or 3 Wire Hydronic Zone Systems
- Auxiliary Heat Fossil Fuel Option
- Programmable Fan Control
- R and C Terminals for Optional 24 Volt Operation
- Adjustable Temperature Limits
- Multi-Level Keypad Lockout

Wireless Features

- Superior Wireless Range
- Battery Life Exceeds Virtually All Competitive Models
- Includes Return Air Sensor for Default Temperature Control Even if Batteries are Drained
- Connect up to 4 Optional Wireless Indoor Sensors for Remote Temperature Sensing*
- Optional Wireless Outdoor Sensing for Outdoor Temperature Display or Balance Point Control*
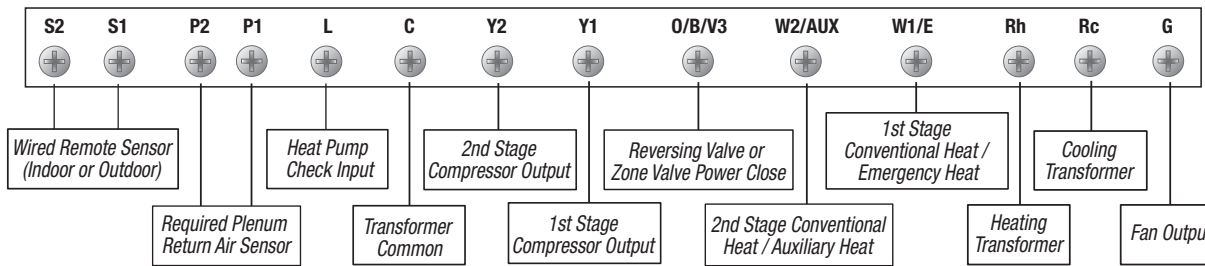- Affordable Solution for Virtually Any Thermostat Application

FREE Contractor Branding!
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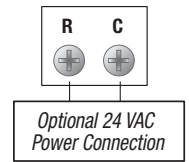*Up to 4 wireless remote sensors can be connected.

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Control Module Terminal Designations

S2	S1	P2	P1	L	C	Y2	Y1	O/B/V3	W2/AUX	W1/E	Rh	Rc	G

- Wired Remote Sensor (Indoor or Outdoor)
- Required Plenum Return Air Sensor
- Heat Pump Check Input
- Transformer Common
- 2nd Stage Compressor Output
- 1st Stage Compressor Output
- Reversing Valve or Zone Valve Power Close
- 1st Stage Conventional Heat / Emergency Heat
- 2nd Stage Conventional Heat / Auxiliary Heat
- Cooling Transformer
- Heating Transformer
- Fan Output

Thermostat Terminal Designations

R	C

- Optional 24 VAC Power Connection

Total Installation Flexibility

7390 Indoor Sensor

7490 Outdoor Sensor

Thermostat

Control Module — Installed at HVAC Equipment

Up to 4 wireless Sensors can be connected - see Installer Guide.

Product Specifications

Thermostat Dimensions:	4.25" x 5.2" x 1.04"
Control Module Dimensions:	6.0" x 6.0" x 1.25"
Electric Rating:	24 Volt AC (18-30 Volt AC) 1 amp maximum load per terminal 5 amp total maximum load (all terminals)
DC Power:	3.0 Volts DC (2 "AA" Alkaline batteries included)
Optional AC Power:	18-30 Volt AC
Compatibility:	Heat pump systems up to 3 heat/2 cool, Conventional systems up to 2 heat/2 cool
Control Range:	45° to 90° F (7° to 32° C)
Display Range:	40° to 99° F (5° to 37° C)
Accuracy:	+/- 1° F (+/- .5° C)
Temperature Differential:	1st Stage - .5°, 1°, or 2° F (0.2°, 0.5°, or 1° C) 2nd and 3rd Stage - 1°, 2°, 3°, 4°, 5°, or 6° F (.5°, 1°, 1.5°, 2°, 2.5°, or 3° C)
Storage Temperature:	14° to 140° F (-10° to 60° C)
Operating Humidity:	5% to 95% Relative Humidity
Control Module Terminations:	S2, S1, P2, P1, L, C, Y2, Y1, O/B/V3, W2/AUX, W1/E, Rh, Rc, G

Shipping Information

INDIVIDUAL CARTON
Dimensions: 7.25" x 6.6" x 4.0"
Weight: 1.85 lbs.

MASTER CARTON
Quantity: 3
Dimensions: 12.25" x 7.5" x 7.25"
Cubic Feet: .39
Weight: 6.1 lbs.

Braeburn 8500 Replaces

Honeywell® YTH5320R, YTH6320R, TH8110R*, TH8320R*, TH8321R*
Emerson® 1F98EZ-1621
Pro1® T751WO, T755WO

*Additional control module required.
Verify specific application requirements. All trademarks are the property of their respective owners.

Accessories

7390 Wireless Remote Indoor Sensor
7490 Wireless Remote Outdoor Sensor
2950 Universal Wall Plate (6.5" x 6.5" x .125")
2940 Vertical J-Box Adapter Wall Plate (6.5" x 5.5")
5390 Wired Remote Indoor Sensor
5490 Wired Remote Outdoor Sensor
5970 Universal Thermostat Guard

FREE Contractor Branding Available!

Visit our website (**www.braeburnonline.com**) for more information, contact your local distributor or call our sales department toll-free at 866.268.5599 (U.S.), +1.630.844.1968 (Outside the U.S.).

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