

Braeburn™

6400

**Up to 4 Heat / 2 Cool Heat Pump
Up to 3 Heat / 2 Cool Conventional
Programmable or Non-Programmable
Thermostat with Humidification Control** 



5 YEAR
LIMITED
WARRANTY

Features

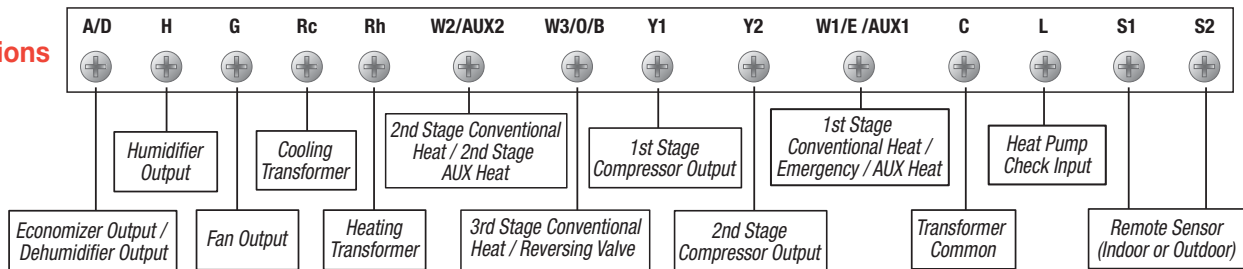
- 7 Day, 5-2 Day or Non-Programmable
- Large 12 sq. in. Easy-Read Touchscreen
- Auto or Manual Changeover
- Bright Blue Backlight Display
- Humidification and Dehumidification Control
- Exclusive SpeedBar® Technology
- Residential or Commercial Modes
- Adjustable Temperature Limits
- Indoor or Outdoor Remote Sensing
- SpeedSet™ Programming Mode
- Quick Reference Instruction Card with FREE Contractor Branding
- Separate User and Installer Reset Buttons
- Auxiliary Heat Fossil Fuel Option
- User Selectable Service Monitors
- Hardwire or Battery Power
- Multi-Level Keypad Lockout
- Economizer Control
- Circulating Fan Mode
- Programmable Fan Mode
- Meets California Title 24 Guidelines

Touchscreen
hybrid™

FREE Contractor Branding! Visit www.braeburnonline.com

Braeburn™

Terminal Designations



Architectural Specifications

The universal auto changeover thermostat shall be a Braeburn™, model number 6400, 4.13" high x 6.13" wide x 1.38" deep, powered with either 24 Volt AC or with two "AA" Alkaline batteries (3.0 Volt DC). In the event of a power failure, the unit shall retain clock settings and universal 7 or 5-2 day or non-programmable settings. The thermostat shall be compatible with low voltage single stage or multi-stage gas, oil, or electric conventional heating or cooling systems, up to three stages of heating and two stages of cooling, and heat pump systems with up to four stages of heating and two stages of cooling. Also compatible with 250mv – 750mv millivolt heating only systems. The thermostat shall have a bright blue backlight display, touchscreen with SpeedBar®, separate sub-base and multi-level keypad lockout. Temperature control range shall be between 45° and 90° F (7° and 32° C), accuracy of +/- 1° F (+/- .5° C). Operating humidity range between 5% and 95% relative humidity. The thermostat shall include separate installer and user setup modes, residential or commercial setup modes, permanent non-volatile memory to retain user settings, filter, UV and humidifier pad check monitor, adaptive recovery mode (ARM™), programmable independent fan control, humidification and dehumidification control, residual cooling fan delay, indoor or outdoor remote sensor capability, auxiliary heat fossil fuel programming, and compressor power outage protection. A front reset button will return user settings to default values when pressed. This thermostat shall meet California Title 24 Guidelines.

Product Specifications

Dimensions:	4.13" x 6.13" x 1.38"
Electric Rating:	24 Volt AC (18-30 Volt AC) 1 amp maximum load per terminal 8 amp total maximum load (all terminals)
AC Power:	18-30 Volt AC
DC Power:	3.0 Volts DC (2 "AA" Alkaline batteries included)
Compatibility:	Heat pump systems up to 4 heat/2 cool, Conventional systems up to 3 heat/2 cool 250mv – 750mv millivolt heating systems
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 (.25°, .5°, or 1° C) 2nd, 3rd and 4th 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
Terminations:	A/D, H, G, Rc, Rh, W2/AUX2, W3/O/B, Y1, Y2, W1/E/AUX1, C, L, S1, S2

Shipping Information

INDIVIDUAL CARTON	MASTER CARTON
Dimensions: 6.8" x 4.7" x 2.0"	Quantity: 6
Weight: 1.2 lbs.	Dimensions: 14.3" x 6.6" x 5.4"
	Cubic Feet: .26
	Weight: 8 lbs.

Braeburn 6400 Replaces*

Honeywell®	TB8220, TH8320, TH8321
White-Rodgers®	1F95-1271, 1F97-1271, 1F95-1277, 1F95-1280, 1F95-1291, 1F97-1277

*Verify specific application requirements.
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Accessories

2950 Universal Wall Plate (6.5" x 6.5" x .125")	5390 Remote Indoor Sensor
5970 Universal Thermostat Guard	5490 Remote Outdoor Sensor

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.).

Date: _____
Job Name: _____
Location: _____
Contractor: _____

Engineer: _____
Model No.: _____
Submitted By: _____
Submitted For Approval: _____ Record: _____

Braeburn Systems LLC • 2215 Cornell Avenue • Montgomery, IL 60538 • Toll-Free 866.268.5599 (U.S.) +1.630.844.1968 (Outside the U.S.)