

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 



ACTUAL SIZE

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
- SpeedBar® Multi-Function Button
- Residential or Commercial Modes
- Adjustable Temperature Limits
- Indoor or Outdoor Remote Sensing
- SpeedSet™ 7 Day Programming
- Separate User and Installer Reset Buttons
- Auxiliary Heat Fossil Fuel Option
- Meets Energy Aware® Guidelines*
- Hardwire or Battery Power
- Multi-Level Keypad Lockout
- Economizer Control
- Circulating Fan Mode
- Programmable Fan Mode
- English / Spanish Packaging and Instruction Card with FREE Contractor Branding

**DELUXE
SERIES**

FREE Contractor Branding! Visit braeburnonline.com

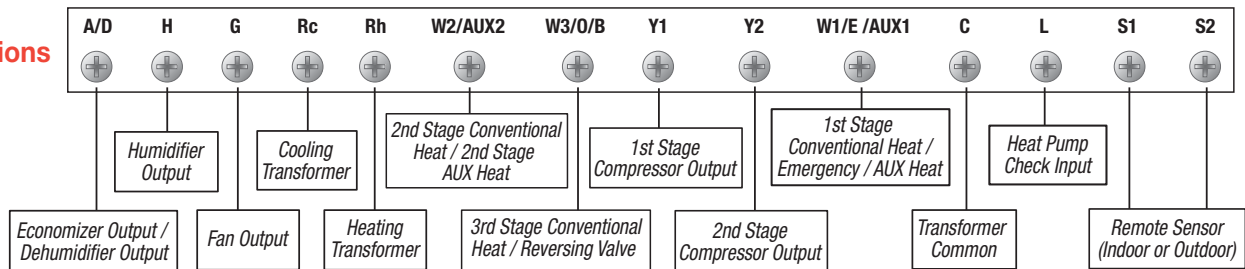
*As a licensee in the Energy Aware Programmable Thermostat Program, Braeburn Systems LLC has determined that this product meets the NEMA Energy Aware efficiency specifications for programmable thermostats. Visit www.getenergyaware for more information.

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 all user, installer and program 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. Meets California Title 24 and Energy Aware® 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.
All trademarks are the property of their respective owners.

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.)