

# Braeburn®

# 6100

## Single Stage Conventional or Heat Pump Universal Programmable Thermostat



ACTUAL SIZE



### Features

- 7 Day, 5-2 Day or Non-Programmable
- Large 12 sq. in. Easy-Read Touchscreen
- Auto or Manual Changeover
- Bright Blue Backlight Display
- SpeedBar® Multi-Function Button
- Adjustable Temperature Limits
- Indoor or Outdoor Remote Sensing
- SpeedSet® 7 Day Programming Mode
- Residential or Commercial Modes
- Meets Energy Aware® Guidelines\*
- Separate User and Installer Reset Buttons
- Hardwire or Battery Powered
- Multi-Level Keypad Lockout
- Circulating Fan Mode
- Programmable Fan Mode
- English / Spanish Packaging and Instruction Card with FREE Contractor Branding

**DELUXE  
SERIES**

**FREE Contractor Branding! Visit [braeburnonline.com](http://braeburnonline.com)**

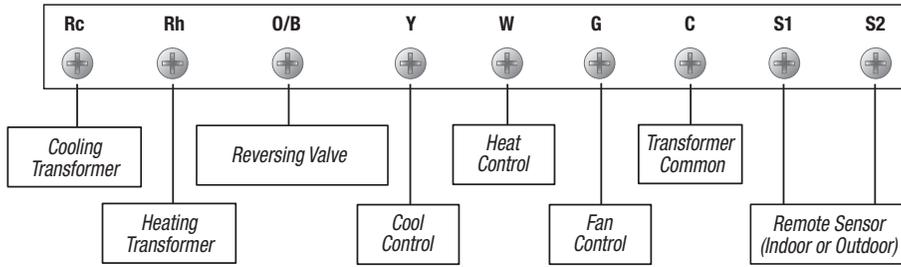
\*As a licensee in the Energy Aware Programmable Thermostat Program, Braeburn Systems LLC has determined that this product meets the NEMA Energy Aware efficiency specifications for programmable thermostats. Visit [www.getenergyaware](http://www.getenergyaware) for more information.

**Touchscreen**  
*hybrid*

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# Braeburn®

## Terminal Designations



## Architectural Specifications

The universal auto changeover thermostat shall be a Braeburn® model number 6100, 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 user, installer and program settings. The thermostat shall be compatible with low voltage single stage gas, oil, or electric heating or cooling systems, and single stage heat pump systems. 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) and operating humidity range between 5% and 95% relative humidity. The thermostat shall include separate installer and user 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, residual cooling fan delay and indoor or outdoor remote sensor capability. A front reset button will return user settings to default values when pressed. Meets IECC 2012 and Energy Aware® Guidelines.

## Product Specifications

<b>Dimensions:</b>	4.13" x 6.13" x 1.38"
<b>Electric Rating:</b>	24 Volt AC (18-30 Volt AC) 1 amp maximum load per terminal 3 amp total maximum load (all terminals)
<b>AC Power:</b>	18-30 Volt AC
<b>DC Power:</b>	3.0 Volts DC (2 "AA" Alkaline batteries included)
<b>Compatibility:</b>	Single stage gas, oil or electric systems Single stage heat pump systems 250mv – 750mv millivolt heating systems
<b>Control Range:</b>	45° to 90° F (7° to 32° C)
<b>Display Range:</b>	40° to 99° F (5° to 37° C)
<b>Accuracy:</b>	+/- 1° F (+/- .5° C)
<b>Temperature Differential:</b>	.5°, 1°, or 2° F (0.2°, 0.5°, or 1° C)
<b>Storage Temperature:</b>	14° to 140° F (-10° to 60° C)
<b>Operating Humidity:</b>	5% to 95% Relative Humidity
<b>Terminations:</b>	Rc, Rh, O/B, Y, W, G, C, S1, S2

## Shipping Information

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

## Braeburn 6100 Replaces\*

<b>Honeywell®</b>	TH8110
<b>Emerson®</b>	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](http://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.)