

# Braeburn®

## Model 5300 Universal Auto Changeover Up to 2 Heat / 2 Cool, Conventional & Heat Pump

## Premier Series Programmable or Non-Programmable



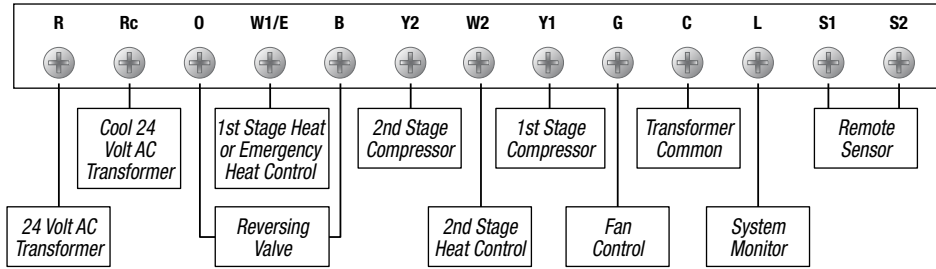
### Features

- 7 Day, 5-2 Day Programming or Non-Programmable
- Dual Powered – Hardwired or Battery
- Large Display with Bright Blue Backlight
- Simple Menu-Driven Programming
- Separate Installer and User Setup Modes
- Residential or Commercial Program Modes
- Programmable Independent Fan Control
- Multi-Level Keypad Lockout
- Non-Volatile Memory to Maintain User Settings
- Remote Indoor Sensor Compatible
- Recirculating Fan Mode
- Residual Cooling Fan Delay
- Filter Check Monitor
- Adaptive Recovery Mode (ARM™)
- Adjustable 1st and 2nd Stage Temperature Differential
- Auxiliary Heat Fossil Fuel Switch
- ESD Guard™ Electronic Circuitry
- Compressor Short Cycle Protection
- Compressor Power Outage Protection
- Separate Heating and Cooling Program Set Point Times and Temperatures
- Temporary Program Override for 4 Hours or Until Next Set Point
- Programmable Extended Hold Mode
- Front Access Reset Button
- Clear Button Returns Settings to Defaults
- Selectable F° or C°
- Gas or Electric Fan Control
- Mounts to Vertical or Horizontal Box
- Easy Access Front Battery Door
- Meets ENERGY STAR® and California Title 24 Guidelines

The  
brighter  
choice®



## Terminal Designations



## Architectural Specifications

The universal auto changeover thermostat shall be a Braeburn®, model number 5300, 4.63” high x 5.00” wide x 1.20” deep, powered with either 24 Volt AC with two “AA” Alkaline batteries (3.0 Volt DC) to retain clock settings and universal 7 or 5-2 day switch selectable programming or two “AA” Alkaline batteries. The thermostat shall be compatible with low voltage single stage or multi-stage gas, oil or electric heating or cooling systems, including heat pump systems with up to two stages of heating and two stages of cooling and 250mv – 750mv millivolt heating only systems. The thermostat shall have a bright blue backlight display, front loading battery door, separate sub-base for trouble free installation 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), 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 check monitor, adaptive recovery mode (ARM™), programmable independent fan control, residual cooling fan delay, auxiliary heat fossil fuel switch, and compressor power outage protection. A front reset button will return user settings to default values when pressed. The thermostat can be mounted to a horizontal or vertical junction box.

## Product Specifications

<b>Dimensions:</b>	4.63” x 5.00” x 1.20”
<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 or Multi-stage heat / cool systems including heat pumps with up to two stages of heating and two stages of cooling 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>	1st Stage - .5°, 1°, or 2° F (.25°, .5°, or 1° C) 2nd Stage - 1°, 2°, 3°, 4°, 5°, or 6° F (.5°, 1°, 1.5°, 2°, 2.5°, or 3° 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>	R, Rc, O, W1/E, B, Y2, W2, Y1, G, C, L, S1, S2

## Shipping Information

<b>INDIVIDUAL CARTON</b>	<b>MASTER CARTON</b>
<b>Dimensions:</b> 5.25” x 5.88” x 2.00”	<b>Quantity:</b> 6
<b>Weight:</b> .84 lbs.	<b>Dimensions:</b> 6.25” x 11.75” x 6.25”
	<b>Cubic Feet:</b> .26
	<b>Weight:</b> 5.1 lbs.

## Braeburn 5300 Replaces

<b>Honeywell®</b>	TB7220*, TB8220*, TH8320*, TH8321*
<b>White-Rodgers®</b>	1F85-275*, 1F95-1271*, 1F97-1271*, 1F95-1277*, 1F97-1277*
<b>Robertshaw®</b>	9700i*, 9701i*, 9715i*, 9720i*

\*Verify specific application requirements.  
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## Accessories

2950 Universal Wall Plate (6.5” x 6.5” x .125”)
5970 Universal Thermostat Guard
5390 Remote 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. Only), 630-844-1968 (Outside the U.S.).

Date: \_\_\_\_\_  
 Job Name: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Contractor: \_\_\_\_\_

Engineer: \_\_\_\_\_  
 Model No.: \_\_\_\_\_  
 Submitted By: \_\_\_\_\_  
 Submitted For Approval: \_\_\_\_\_ Record: \_\_\_\_\_