

Model 5300 Universal Auto Changeover

Up to 3 Heat / 2 Cool, Conventional or Heat Pump

Premier Series
Programmable or Non-Programmable



Features

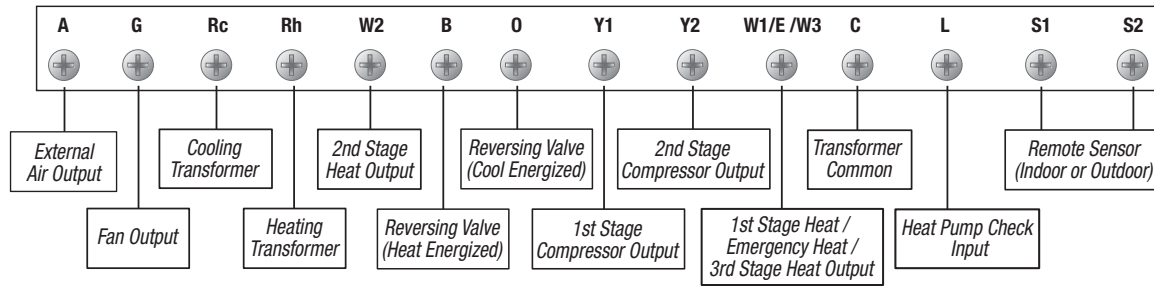
- 7 Day, 5-2 Day Programming or Non-Programmable
- Adjustable Temperature Limits
- Two Outside Air Modes—Economizer and Time of Day
- Large Display with Bright Blue Backlight
- Simple Menu-Driven Programming
- Hardwire or Battery Powered
- Separate Installer and User Setup Modes
- Residential or Commercial Program Modes
- Programmable Independent Fan Control
- Multi-Level Keypad Lockout
- Non-Volatile Memory to Maintain User Settings
- Remote Indoor / Outdoor Sensor Compatible
- Residual Cooling Fan Delay
- Filter, UV and Humidifier Pad Check Monitor
- Circulating Fan Mode
- Auxiliary Heat Fossil Fuel Programming Option
- 1st, 2nd and 3rd Stage Adjustable Temperature Differential
- Adaptive Recovery Mode (ARM™)
- Compressor Short Cycle Protection
- Compressor Power Outage Protection
- Separate Heating and Cooling Program Set Point Times and Temperatures
- Programmable Extended Hold Mode
- Programmable AC Power Monitoring
- Installer Clear Button and Front Access Reset Button
- Heat Pump Fault Monitoring
- Gas or Electric Fan Control
- Easy Access Front Battery Door
- Meets California Title 24 Guidelines

The
brighter
choice®



Braeburn®

Model 5300 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 or with two "AA" Alkaline batteries (3.0 Volt DC). In the event of a power failure, the unit shall retain universal 7 or 5-2 day selectable programming. 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 three 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 and multi-level keypad lockout. Temperature control range shall be between 45° and 90° F (7° and 32° C), accuracy of +/- 1° F (+/- 0.5° C). The thermostat shall include separate installer and user setup modes, residential or commercial setup modes, permanent non-volatile memory to retain user settings, adjustable temperature limits, filter, UV and humidifier pad check monitor, adaptive recovery mode (ARM™), independent fan 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. The thermostat can be mounted to a horizontal or vertical junction box.

Product Specifications

Dimensions:	4.63" x 5.00" x 1.20"
Electric Rating:	24 Volt AC (18-30 Volt AC) 1 amp maximum load per terminal 6 amp total maximum load (all terminals)
AC Power:	18-30 Volt AC
DC Power:	3.0 Volts DC (2 "AA" Alkaline batteries included)
Compatibility:	Single stage or Multi-stage heat / cool systems including heat pumps with up to three stages of heating and two stages of cooling. Three stage heat available on heat pump systems. 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 (+/- 0.5° C)
Temperature Differential:	1st Stage - .2°, .5° or 1° F (.1°, .25° or .5° C) 2nd and 3rd Stage - 1°, 2°, 3°, 4°, 5°, or 6° F (0.5°, 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, G, Rc, Rh, W2, B, O, Y1, Y2, W1/E/W3, C, L, S1, S2

Shipping Information

INDIVIDUAL CARTON	MASTER CARTON
Dimensions: 5.25" x 5.88" x 2.00"	Quantity: 6
Weight: .84 lbs.	Dimensions: 6.25" x 11.75" x 6.25"
	Cubic Feet: .26
	Weight: 5.1 lbs.

Braeburn 5300 Replaces*

Honeywell®	TH7220, TH8110, TH8220, TH8320
White-Rodgers®	1F85-275, 1F85-0422, 1F85-0471, 1F95-0671, 1F95-0680, 1F95-1271, 1F95-1277, 1F97-1271, 1F97-1277, RS5110, RS5220, RS6110, RS6220, 9700, 9700i, 9701i, 9715i, 9720, 9720i, 300-201, 300-202, 300-203, 300-207, 300-208, 300-225, 300-226, 300-227, 300-229
Robertshaw®	

*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

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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.)