

Braeburn®

Model 5400 Universal Auto Changeover

Up to 3 Heat / 2 Cool, with Humidification Control

Premier Series Programmable or Non-Programmable



Features

- 7 Day, 5-2 Day Programming or Non-Programmable
- Economizer Control to Help Save Energy
- Programmable Humidification Control
- Dehumidification Control
- 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
- Adjustable Temperature Limits
- Filter, UV and Humidifier Pad Check Monitor
- Adaptive Recovery Mode (ARM™)
- Circulating Fan Mode
- Auxiliary Heat Fossil Fuel Programming Option
- 1st, 2nd and 3rd Stage Adjustable Temperature Differential
- ESD Guard™ Electronic Circuitry
- Compressor Short Cycle Protection
- Compressor Power Outage Protection
- Temporary Program Override up to 4 Hours or Until Next Set Point
- Programmable Extended Hold Mode
- Programmable AC Monitoring
- Installer Clear Button and Front Access Reset Button
- Gas or Electric Fan Control
- Easy Access Front Battery Door
- Meets California Title 24 Guidelines

The
brighter
choice®

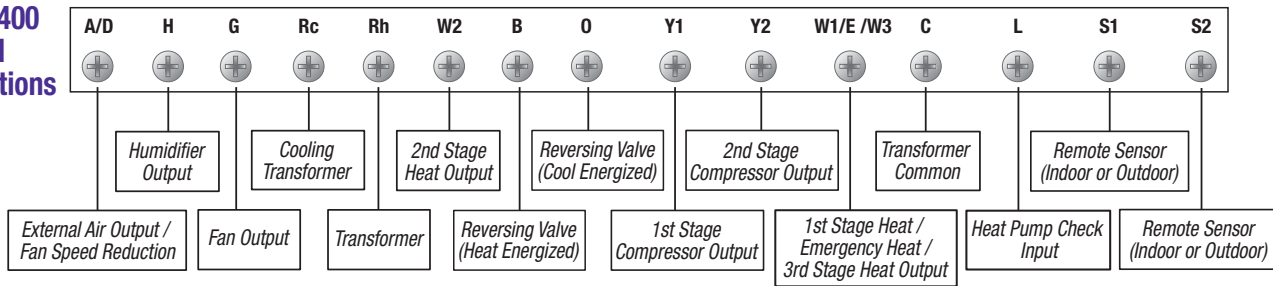


Premier Series

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Braeburn®

Model 5400 Terminal Designations



Architectural Specifications

The universal auto changeover thermostat shall be a Braeburn®, model number 5400, 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 (+/- .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, UV and humidifier pad check monitor, adaptive recovery mode (ARM™), independent fan control, programmable 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. 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 7 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 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 and 3rd 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, 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 5400 Replaces*

Honeywell®	TB7220, TB8220, TH8320, TH8321
White-Rodgers®	1F85-275, 1F85-277, 1F93-380, 1F94-371, 1F95-371, 1F95-377, 1F95-391, 1F95-0671, 1F95-0680, 1F95-1271, 1F95-1277, 1F97-1271, 1F97-1277
Robertshaw®	9700i, 9701i, 9715i, 9720i, 9701i2, 9725i2, 9801i, 9815i, 9820i, 9851i, 9865i, 9870i, 9900i, 9915i, 9920i

*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.)