

Braeburn®

Model 5400 Universal Auto Changeover

Up to 3 Heat / 2 Cool, with Humidification Control

Premier Series Programmable or Non-Programmable



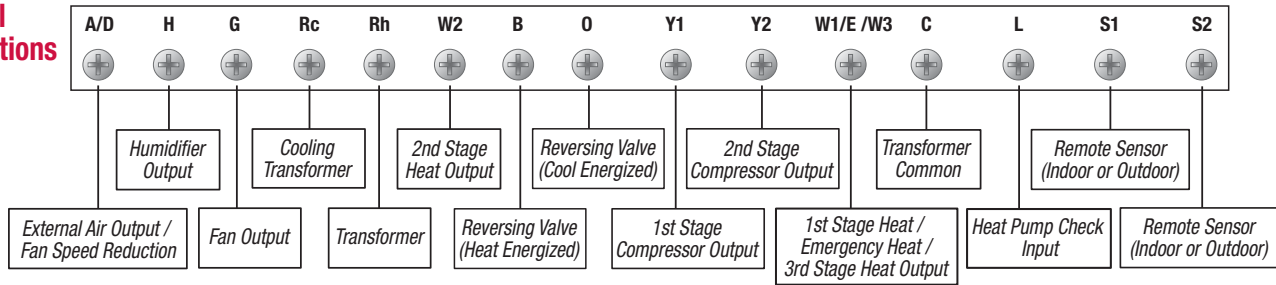
Features

- 7 Day, 5-2 Day Programming or Non-Programmable
- Dual Powered—Hardwired or Battery
- Two Outside Air Modes—Economizer and Time of Day
- Programmable Humidification and Dehumidification with Fan Speed Control
- 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 with Recirculation Feature
- 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
- Adaptive Recovery Mode (ARM™)
- 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
- Separate Heating and Cooling Program Set Point Times and Temperatures
- 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
- Heat Pump Fault Detection
- Gas or Electric Fan Control
- 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 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 clock settings and 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™), programmable independent fan control, programmable humidification and dehumidification with fan speed 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 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*, 1F95-1271*, 1F97-1271*, 1F95-1277*, 1F97-1277*
Robertshaw®	9600*, 9610*, 9620*, 9700i*, 9701i*, 9715i*, 9720i*, 9701i2*, 9725i2*, 9801i*, 9815i*, 9820i*, 9851i*, 9865i*, 9870i*, 9900i*, 9915i*, 9920i*

*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. Only), 630-844-1968 (Outside the U.S.).

Date: _____
 Job Name: _____
 Location: _____
 Contractor: _____

Engineer: _____
 Model No.: _____
 Submitted By: _____
 Submitted For Approval: _____ Record: _____