

Model 5400 Universal Auto Changeover

Premier Series Programmable or Non-Programmable

Up to 3 Heat / 2 Cool, with Humidification Control



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

1. Press PROC 2. Press SYST 3. MORN of Pr 4. Press Avery 5. Press Avery 7. Press Avery 7. Press Avery	Lution to enter PROG mode. 1. P Mith under the AFA mode. 2. P advate week is disalisated. 2. P to-change hear, press PROG. P to-change minute, press PROG. Ta to obarge minute, press PROG. Ta to obarge minute, press PROG. Ta	New Bel Temperature tress and hold A or V - ET temperature is displayed. Entended A or V to esume normal operation. sporery Program Divertide ress and hold the A or V attain for one second.
 Press Exhibit 10 Press Exhibit 11. Repeat slip tergensities segments yo WORE Select CO with system buttor change segurate-o heating set points. 	MME to edit week as your schedular requires. P Martino te anter GOOL, mone. It is 4 - 1 to set separate COOL times and 3.0 8. Inse PMED to skip over program 6 to not wish to change. 9. of to NME Control with to change.	haplay will Flash onco. 1986 A. P. V. So Glash Pe- impositure. Ispiny all nature to normal press RETURN Extended Wolf Mode 1. Press HOLD to bypes the current program. 2. Press HOLD again to mesure current program.
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syste		• AEMET

- 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



Premier Series

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Model 5400 Terminal Designation	D H	G	Rc	Rh 🕕	W2	B	0	Y1	Y2	 E /W3	C	L	. S [.]	1 S2
Doorgination	Humidifier Output		Cooling Transformer		Pnd Stage eat Output		ersing Va ol Energiz		2nd St Compresso		insforme Common		Remote (Indoor or	
	r Output / Reduction	Fan Ou	tput Tran	sforme		sing Valv Energize			tage or Output	age Hea lency He le Heat	eat /		ump Check Input	Remote Se (Indoor or Ou

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.

Shipping Information

Product Specifications

		Submitted By: Record:								
		Model No.:								
Date:		Engineer:								
Terminations:	A/D, H, G, Rc, Rh, W2, B, O, Y1, Y2, W1/E/W3, C, L, S1, S2	local distributor or call our sales department toll-free at 866.268.5599 (U.S.), +1.630.844.1968 (Outside the U.S.).								
Operating Humidity:	g Humidity: 5% to 95% Relative Humidity		Visit our website (www.braeburnonline.com) for more information, contact your							
Storage Temperature:	14° to 140° F (-10° to 60° C)	FREE Contractor Branding Available!								
Temperature Differential:	1st Stage5°, 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)	2950 Universal Wall Plate (6.5" x 6.5" x .125")5390 Remote Indoor Sensor5970 Universal Thermostat Guard5490 Remote Outdoor Sensor								
Accuracy:	+/- 1° F (+/5° C)	Accessories								
Display Range:	40° to 99° F (5° to 37° C)		All trademarks are th	*Verify specific application requirements. All trademarks are the property of their respective owners.						
Control Range:	45° to 90° F (7° to 32° C)									
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	White-Rodgers® Robertshaw®	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 9700i, 9701i, 9715i, 9720i, 9701i2, 9725i2, 9801i, 9815i, 9820i, 9851i, 9865i, 9870i, 9900i, 9915i, 9920i							
DC Power:	3.0 Volts DC (2 "AA" Alkaline batteries included)	Braeburn 5400 Honeywell®	3321							
AC Power:	18-30 Volt AC			Weight:	5.1 lbs.					
Electric Rating:	24 Volt AC (18-30 Volt AC) 1 amp maximum load per terminal 7 amp total maximum load (all terminals)	Dimensions:5.25" >Weight:.84 lbs		Quantity: Dimensions: Cubic Feet:	.26					
Dimensions:	4.63" x 5.00" x 1.20"	INDIVIDUAL CARTON		MASTER CARTON						

Braeburn Systems LLC • 2215 Cornell Avenue • Montgomery, IL 60538 • Toll-Free 866.268.5599 (U.S.) +1.630.844.1968 (Outside the U.S.)

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