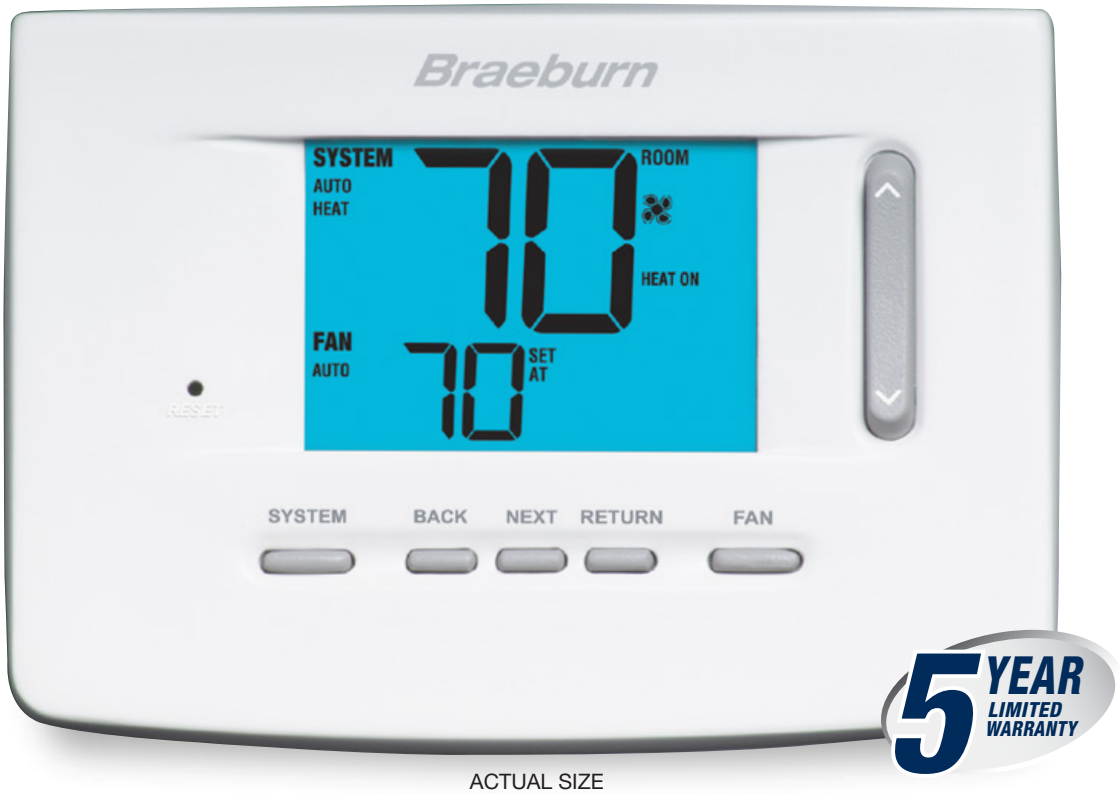
Braeburn

3220

Up to 3 Heat / 2 Cool Heat Pump
Up to 2 Heat / 2 Cool Conventional
Non-Programmable Thermostat



ACTUAL SIZE

Features

- Large 4 Sq. In. Display with Bright Blue Backlight
- Auto or Manual Changeover
- SpeedBar® Multi-Function Button
- Adjustable Temperature Limits
- Indoor or Outdoor Remote Sensing
- User Selectable Service Monitors
- Separate User and Installer Reset Buttons
- Permanent Memory Retains Settings
- Circulating Fan Mode
- Auxiliary Heat Fossil Fuel Option
- Hardwire or Battery Powered
- Multi-Level Keypad Lockout
- Set Point Adjustment Limits
- Adjustable Balance Points
- Compressor Short Cycle Protection
- Compatible with 2 or 3 Wire Hydronic Zone Systems
- Trilingual Packaging and Instruction Card with FREE Contractor Branding

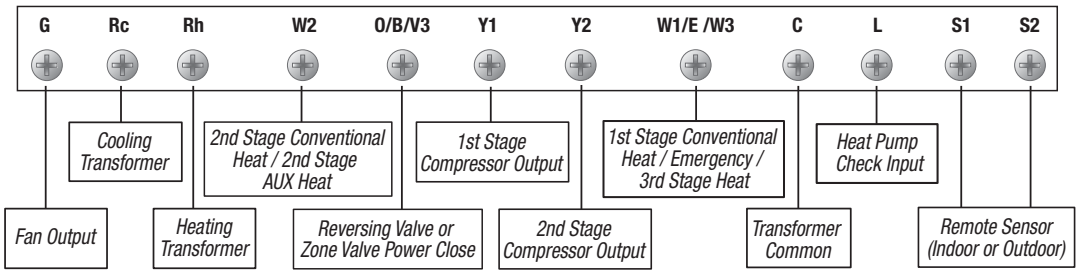
PREMIER SERIES

FREE Contractor Branding! Visit braeburnonline.com

Toll-Free 866.268.5599 (U.S.) +1.630.844.1968 (Outside the U.S.)

Braeburn®

Terminal Designations



Architectural Specifications

The digital non-programmable thermostat with auto changeover shall be a Braeburn® model number 3220, 3.80" high x 5.11" wide x 1.42" 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 all user, installer and temperature settings. The thermostat shall be compatible with low voltage single stage or multi-stage gas, oil, or electric conventional heating or cooling systems with up to two stages of heating and two stages of cooling, and heat pump systems with up to three stages of heating and two stages of cooling. Also compatible with 250mv – 750mv millivolt heating only systems and 2 or 3 wire hydronic zone systems. The thermostat shall have a bright blue backlight display, SpeedBar®, 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). Operating humidity range between 5% and 95% relative humidity. The thermostat shall include separate installer and user setup modes, permanent non-volatile memory to retain user settings, filter, UV and humidifier pad check monitor, 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.

Product Specifications

Dimensions:	3.86" x 5.11" x 1.42"
Electric Rating:	24 Volt AC (18-30 Volt AC) 1 amp maximum load per terminal 5 amp total maximum load (all terminals)
AC Power:	18-30 Volt AC
DC Power:	3.0 Volts DC (2 "AA" Alkaline batteries included)
Compatibility:	Heat pump systems up to 3 heat/2 cool, Conventional systems up to 2 heat/2 cool 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 (0.2°, 0.5°, 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:	G, Rc, Rh, W2, O/B/V3, Y1, Y2, W1/E/W3, C, L, S1, S2

Shipping Information

INDIVIDUAL CARTON

Dimensions:	5.0" x 6.3" x 2.0"
Weight:	.92 lbs.

MASTER CARTON

Quantity:	6
Dimensions:	6.4" x 13" x 5.6"
Cubic Feet:	.27
Weight:	6 lbs.

Braeburn 3220 Replaces*

Honeywell®	TH5220D, TH5320U
Emerson®	1F83-0422, 1F83-0471, 1F83-277, 1F85U-42NP

*Verify specific application requirements.

Accessories

2920 Vertical J-Box Adapter Wall Plate
2950 Universal Wall Plate (6.5" x 6.5" x .125")
5970 Universal Thermostat Guard
5390 Remote Indoor Sensor
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.), +1.630.844.1968 (Outside the U.S.).

Date: _____ **Engineer:** _____

Job Name: _____ **Model No.:** _____

Location: _____ **Submitted By:** _____

Contractor: _____ **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.)