

# Braeburn®

# 1220

**Up to 2 Heat / 2 Cool Conventional**  
**Up to 2 Heat / 1 Cool Heat Pump**  
**Non-Programmable Thermostat**



## Features

- Large 3 Sq. In. Display with Bright Blue Backlight
- Adjustable Temperature Limits
- Hardwire or Battery Powered
- Permanent Memory Retains Settings
- Separate O & B Terminals
- Compressor Short Cycle Protection
- Adjustable Temperature Differentials
- Auxiliary Heat Indicator
- Low Battery Indication
- ESD Guard™ Electronic Circuitry
- Front Access Reset Button
- F° / C° Switch
- Gas / Electric Fan Switch
- Mount to Horizontal Box
- English / Spanish Packaging and Instruction Card with FREE Contractor Branding

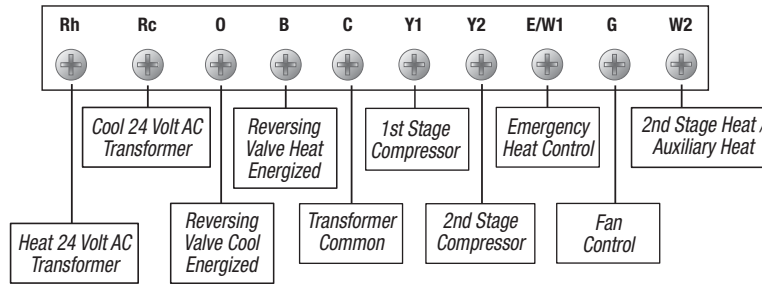
**ECONOMY  
SERIES**

**FREE Contractor Branding! Visit [braeburnonline.com](http://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 shall be a Braeburn®, model number 1220, 3.70" high x 5.16" wide x 1.38" deep, powered independently with either 24 VAC or two "AA" Alkaline batteries (3.0 Volt DC). The thermostat shall be compatible with multi-stage conventional systems with up to two stages of heating and two stages of cooling, heat pump systems with one compressor and up to one auxiliary stage. The thermostat shall have a bright blue backlight display, adjustable temperature limits, and separate sub-base for trouble free installation. 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 non-volatile memory to retain user settings and auxiliary heat indicator. Thermostat shall have low battery indication and a front reset button will return user settings to default values when pressed. The thermostat can be mounted to a horizontal junction box.

## Product Specifications

<b>Dimensions:</b>	3.70" x 5.16" x 1.38"
<b>Electric Rating:</b>	24 Volt AC (18-30 Volt AC) 1 amp maximum load per terminal 4 amp total maximum load (all terminals)
<b>AC Power:</b>	18-30 Volt AC
<b>DC Power:</b>	3.0 Volts DC (2 "AA" Alkaline batteries included)
<b>Compatibility:</b>	Conventional systems with up to two stages of heating and two stages of cooling; Heat pump systems with one compressor and up to one auxiliary stage; 250 - 750 millivolt heating systems
<b>Control Range:</b>	45° to 90° F (7° to 32° C)
<b>Display Range:</b>	40° to 99° F (5° to 37° C)
<b>Accuracy:</b>	+/- 1° F (+/- .5° C)
<b>Temperature Differential:</b>	1st Stage: .5°, 1°, or 2° F (0.2°, 0.5°, or 1° C) 2nd Stage: 2°, 3°, 4°, 5° or 6° F (0.5°, 1°, 1.5°, 2°, 2.5° or 3° C)
<b>Storage Temperature:</b>	14° to 140° F (-10° to 60° C)
<b>Operating Humidity:</b>	5% to 95% Relative Humidity
<b>Terminations:</b>	Rh, Rc, O, B, C, Y1, Y2, E/W1, G, W2

## Shipping Information

<b>INDIVIDUAL CARTON</b>	<b>MASTER CARTON</b>
<b>Dimensions:</b> 3.9" x 6.2" x 1.6"	<b>Quantity:</b> 6
<b>Weight:</b> .72 lbs.	<b>Dimensions:</b> 5.2" x 12.8" x 4.5"
	<b>Cubic Feet:</b> .17
	<b>Weight:</b> 4.7 lbs.

## Braeburn 1220 Replaces\*

<b>Honeywell®</b>	TH3210
<b>Emerson®</b>	1F89-0211, 1F89-211, 1F83-261, 1F89EZ-0251

\*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")
5970	Universal Thermostat Guard

## FREE Contractor Branding Available!

Visit our website ([www.braeburnonline.com](http://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.)