

# Braeburn®

## 1020

**Single Stage Heat / Cool  
Conventional or Heat Pump  
Non-Programmable Thermostat**



ACTUAL SIZE

## Features

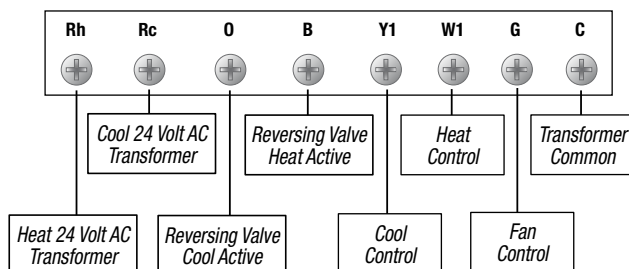
- Large 3 Sq. In. Display with Bright Blue Backlight
- Adjustable Temperature Limits
- Hardwire or Battery Powered
- Permanent Memory Retains Settings
- Separate O & B Terminals
- Compressor Short Cycle Protection
- Adjustable Temperature Differential
- Low Battery Indication
- ESD Guard™ Electronic Circuitry
- Front Access Reset Button
- F° / C° Switch
- Gas / Electric Fan Switch
- Mount to Horizontal Box
- Trilingual 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.)

## Terminal Designations



## Architectural Specifications

The digital non-programmable thermostat shall be a Braeburn®, model number 1020, 3.70" high x 5.16" wide x 1.38" deep, powered independently with either 24 Volt AC or with two "AA" Alkaline batteries (3.0 Volt DC). The thermostat shall be compatible with single stage gas, oil or electric heating or cooling systems including single stage heat pumps and 250mv – 750mv millivolt heating systems. 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 all user and temperature settings. 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)<br>1 amp maximum load per terminal<br>3 amp total maximum load (all terminals)              |
| <b>AC Power:</b>                 | 18-30 Volt AC                                                                                                          |
| <b>DC Power:</b>                 | 3.0 Volts DC<br>(2 "AA" Alkaline batteries included)                                                                   |
| <b>Compatibility:</b>            | Single stage gas, oil or electric systems<br>Single stage heat pump systems<br>250mv – 750mv 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> | .5°, 1°, or 2° F (0.2°, 0.5°, or 1.0° 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>             | Rc, Rh, O, B, Y1, W1, G, C                                                                                             |

## 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 1020 Replaces\*

|                                                                                                           |                                  |
|-----------------------------------------------------------------------------------------------------------|----------------------------------|
| <b>Honeywell®</b>                                                                                         | TH3110                           |
| <b>Emerson®</b>                                                                                           | 1F86-344, 1F86-0244, 1F86EZ-0251 |
| *Verify specific application requirements.<br>All trademarks are the property of their respective owners. |                                  |

## Accessories

- 2920 Vertical J-Box Adapter Wall Plate
- 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: \_\_\_\_\_