

# Braeburn®

## 4030

**2 Heat / 1 Cool Heat Pump**  
**1 Heat / 1 Cool Conventional**  
**Universal Programmable Thermostat**  
*with Dry Contact*



ACTUAL SIZE

## Features

- 7 Day, 5-2 Day or Non-Programmable
- Large Display with Adjustable Backlight
- Auto or Manual Changeover
- SmartLimit® Temperature Limits
- Indoor or Outdoor Remote Sensing\*
- SpeedSet® Programming Mode
- Hardwire or Battery Powered
- User and Installer Lock Modes
- Pre-Occupancy Purge Option
- Auxiliary Heat Fossil Fuel Option
- Programmable and Circulating Fan Modes
- Adaptive Recovery Mode (ARM™)
- Temporary Override Limits
- Compatible with 2 or 3 Wire Hydronic Zone Systems
- Multi-Function Dry Contact Input for Occupancy Control, Condensate Monitoring or Door Switch Activation

\*Separate remote sensor required.

**PREMIER  
SERIES**

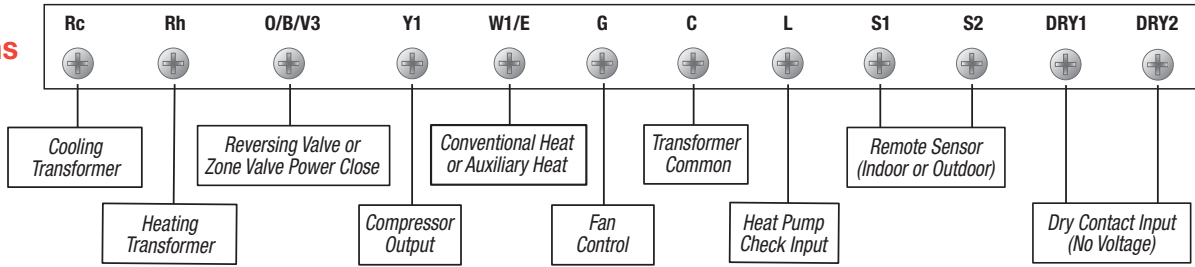


**FREE Contractor Branding**  
**on Removable Face Plate!**

**Residential or Commercial**

# Braeburn®

## Terminal Designations



## Architectural Specifications

The universal auto changeover thermostat shall be a Braeburn® model number 4030, 4.25" high x 5.12" wide x 1" 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 program settings. The thermostat shall be compatible with low voltage single stage gas, oil, or electric heating or cooling systems, and single stage heat pumps with auxiliary heat. Also compatible with 250mv – 750mv millivolt heating only systems and 2 or 3 wire hydronic zone systems. The thermostat shall have an adjustable bright blue backlight display, 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) and 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, adaptive recovery mode (ARM™), programmable fan mode, residual cooling fan delay, indoor or outdoor remote sensor capability and multi-function dry contact input.

## Product Specifications

|                                  |  |
|----------------------------------|--|
| <b>Dimensions:</b>               | 4.25" x 5.12" x 1"   |
| <b>Electric Rating:</b>          | 24 Volt AC (18-30 Volt AC)<br>1 amp maximum load per terminal<br>4 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, electric or hydronic systems<br>Single stage heat pumps with or without auxiliary heat<br>250mv – 750mv millivolt heating systems |
| <b>Control Range:</b>            | 45° to 90° F (7° to 32° C)   |
| <b>Display Range:</b>            | 35° to 99° F (1.5° to 37° C)   |
| <b>Accuracy:</b>                 | +/- 1° F (+/- .5° C)   |
| <b>Temperature Differential:</b> | 0.5°, 1°, or 2° F (0.2°, 0.5°, or 1° 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/V3, Y1, W1/E, G, C, L, S1, S2<br>DRY1, DRY2  |

## Shipping Information

|                                       |  |
|---------------------------------------|--|
| <b>INDIVIDUAL CARTON</b>              | <b>MASTER CARTON</b>                     |
| <b>Dimensions:</b> 5.0" x 6.0" x 1.7" | <b>Quantity:</b> 6                       |
| <b>Weight:</b> .95 lbs.               | <b>Dimensions:</b> 6.75" x 10.75" x 5.7" |
|                                       | <b>Cubic Feet:</b> .24                   |
|                                       | <b>Weight:</b> 6.25 lbs.                 |

## Braeburn 4030 Replaces\*

|                   |                                  |
|-------------------|----------------------------------|
| <b>Honeywell®</b> | TH6110D, TH6210U, TH6220D        |
| <b>Emerson®</b>   | 1F80-0471, 1F85-0422, 1F85U-22PR |
| <b>Venstar®</b>   | T3700, T4700                     |

\*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 on Removable Faceplate!

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:** \_\_\_\_\_

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