

# Braeburn®

**Model 500** 1 Heat / 1 Cool  
**Model 505** Heat Only  
**Model 507** Cool Only

**Builder Series**  
**Mechanical**



Inside of Model 500 Shown

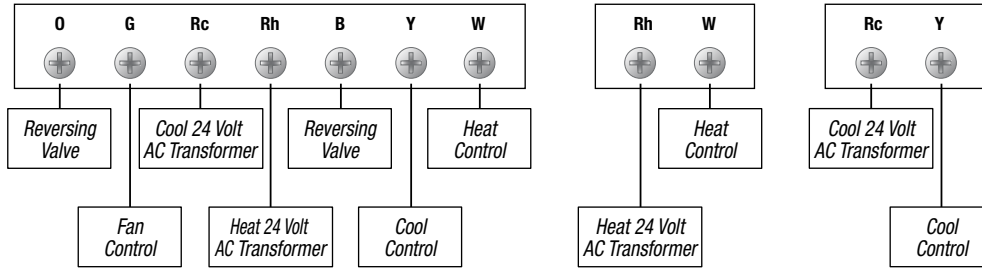
## **megaswitch™** **Magnetic Switch Technology**

- Dependable Switch Performance
- Environmentally Safe – Mercury-Free
- Integrated Sub-Base and Front Mounted Wiring Terminals Make Installation Easy
- Separate O & B Terminals (Model 500 Only)
- Plated Terminals Prevent Corrosion
- No Leveling Required During Installation
- Heavy Duty Heat Anticipator (Model 500 & 505)

The  
brighter  
choice®



## Terminal Designations



## Architectural Specifications

The Megawatch™ mechanical thermostat shall be a Braeburn®, model number 500, 4.60" high x 3.13" wide x 1.25" deep. 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 separate sub-base and front mounted wiring terminals for trouble free installation. Temperature control range shall be between 50° and 90° F (10° and 32° C), heat anticipation of 0.15 to 1.2 amps, humidity range between 5% and 95% relative humidity. The thermostat shall be mercury free, have plated terminals to prevent corrosion and require no leveling during installation. The thermostat can be mounted to a vertical junction box. \* The model 505 is compatible with single stage gas, oil or electric heating systems including 250mv – 750mv millivolt heating systems. The model 507 is compatible with single stage air conditioning systems.

## Product Specifications

<b>Dimensions:</b>	4.60" x 3.13" x 1.25"
<b>Electric Rating:</b>	24 Volt AC (18-30 Volt AC)
<b>Heat Anticipation:</b>	0.15 to 1.2 amps
<b>Compatibility:</b>	<p><b>Model 500</b> – Single stage gas, oil or electric heating or cooling systems, single stage heat pump systems, 250mv – 750mv millivolt heating systems</p> <p><b>Model 505</b> – Single stage gas, oil or electric heating systems, 250mv – 750mv millivolt heating systems</p> <p><b>Model 507</b> – Single stage air conditioning systems</p>
<b>Control Range:</b>	50° to 90° F (10° to 32° C)
<b>Storage Temperature:</b>	14° to 140° F (-10° to 60° C)
<b>Operating Humidity:</b>	5% to 95% Relative Humidity
<b>System Lever:</b>	<p><b>Model 500</b> – COOL/OFF/HEAT</p> <p><b>Model 505</b> – OFF/HEAT</p> <p><b>Model 507</b> – OFF/COOL</p>
<b>Fan Control Lever:</b>	<b>Model 500</b> – AUTO/ON
<b>Terminations:</b>	<p><b>Model 500</b> – O, G, Rc, Rh, B, Y, W</p> <p><b>Model 505</b> – Rh, W</p> <p><b>Model 507</b> – Rc, Y</p>

## Shipping Information

<b>INDIVIDUAL CARTON</b>		<b>MASTER CARTON</b>	
<b>Dimensions:</b>	5.10" x 3.10" x 1.30"	<b>Quantity:</b>	12
<b>Weight:</b>	.30 lbs. (Models 500 & 505) .28 lbs. (Model 507)	<b>Dimensions:</b>	9.00" x 4.00" x 10.30"
		<b>Cubic Feet:</b>	.15
		<b>Weight:</b>	4.25 lbs. (Models 500 & 505) 4.00 lbs. (Model 507)

## Braeburn 500 Replaces

<b>Honeywell®</b>	T834, T812C, T87F
<b>White-Rodgers®</b>	1F56, 1E56, 1D56, 1C26
<b>Robertshaw®</b>	9200, 988-1, 405, 400
<b>LuxPro®</b>	PSM400, PSM40

## Braeburn 505 Replaces

<b>Honeywell®</b>	T834, T812A, T87F
<b>White-Rodgers®</b>	1F30, 1E30, 1D30, 1C30, 1C20
<b>Robertshaw®</b>	9205, 9204, 986-1, 200
<b>LuxPro®</b>	PSM200, PSM30

## Braeburn 507 Replaces

<b>Honeywell®</b>	T834, T812D, T87F
<b>White-Rodgers®</b>	1F51, 1E31, 1C21
<b>Robertshaw®</b>	9206, 984-1
<b>LuxPro®</b>	PSM50

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## Accessories

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. Only), 630-844-1968 (Outside the U.S.).

Date: \_\_\_\_\_

Engineer: \_\_\_\_\_

Job Name: \_\_\_\_\_

Model No.: \_\_\_\_\_

Location: \_\_\_\_\_

Submitted By: \_\_\_\_\_

Contractor: \_\_\_\_\_

Submitted For Approval: \_\_\_\_\_ Record: \_\_\_\_\_