

*Braeburn*<sup>®</sup>

The brighter choice<sup>®</sup>



**Zoning Systems**



## 140202 Residential 2 Zone Control Panel

### 2 Heat / 1 Cool

- Compact Housing - 6" x 6"
- Works with Conventional 4 or 5 Wire Thermostats
- Works with BlueLink™ Wireless Technology\*
- Installs on Conventional, Heat Pump, Electric and Dual Fuel Systems
- Selectable Priority for One Zone or All Zones
- Requires Dedicated 40 VA, 24 VAC Transformer
- Can be used with Virtually All Low Voltage Dampers from Other Manufacturers
- 30 VA Damper Capacity

#### Flexible System Options

Controls conventional, heat pump, electric, and dual fuel systems

#### Thermostat Terminals

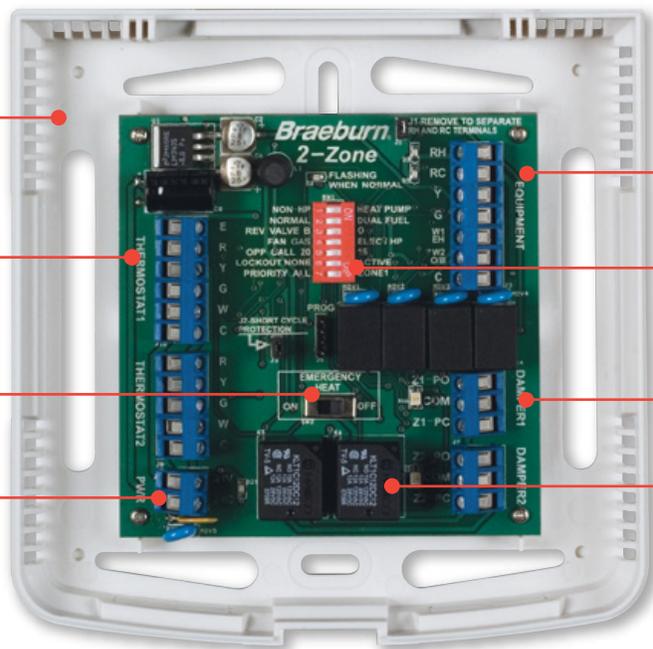
Use with conventional 4 or 5 wire thermostats

#### Emergency Heat Switch

With remote terminals

#### Power Terminals

Accepts standard 24 VAC power from transformer. Built in self-resetting fuse helps protect panel



#### Equipment Terminals

Simple equipment connections

#### Easy-Set Dip Switches

Select system preferences

#### Damper Terminals

With LED indicators

#### Heavy Duty Relays

10 Amp capacity for extra durability

Model 140202

\* Requires Braeburn Model 7500 Universal Wireless Thermostat Kit.



## 140303 Residential 3 Zone Control Panel

### 3 Heat / 2 Cool

- Compact Housing - 8" x 8"
- Works with Conventional 4 or 5 Wire Thermostats
- Works with BlueLink™ Wireless Technology\*
- Installs on Conventional, Heat Pump, Electric and Dual Fuel Systems
- Selectable Priority for One Zone or All Zones
- Requires Dedicated 40 VA, 24 VAC Transformer
- Can be used with Virtually All Low Voltage Dampers from Other Manufacturers
- 30 VA Damper Capacity



#### Flexible System Options

Controls conventional, heat pump, electric, and dual fuel systems

#### Adjustable Purge Control

Maximizes economy and occupant comfort.

#### Thermostat Terminals

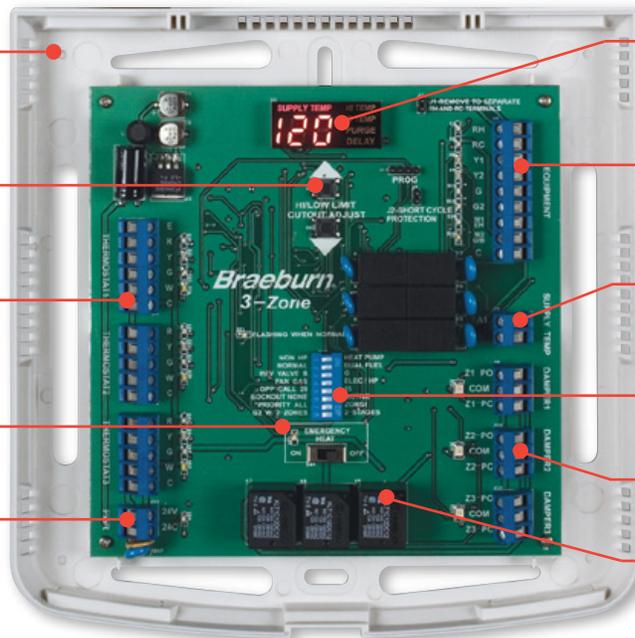
Use with conventional 4 or 5 wire thermostats

#### Emergency Heat Switch

With remote terminals

#### Power Terminals

Accepts standard 24 VAC power from transformer. Built in self-resetting fuse helps protect panel



#### LED Display

Easy to read LED display shows system temperature and purge status

#### Equipment Terminals

Simple equipment connections with LED status indicators

#### Supply Air Sensor

Monitors plenum temperature and provides adaptive staging

#### Easy-Set Dip Switches

Select system preferences

#### Damper Terminals

With LED indicators

#### Heavy Duty Relays

10 Amp capacity for extra durability

Model 140303

\* Requires Braeburn Model 7500 Universal Wireless Thermostat Kit.



## 140404 Expandable 4 Zone Control Panel

### 4 Heat / 2 Cool

- Expandable Up to 32 Zones
- Compatible with Electric, Gas, Oil and Heat Pump Equipment-Including Dual Fuel
- Can be used with Virtually All Low-Voltage Thermostats and Dampers from other Manufacturers
- Compatible with BlueLink™ Wireless Technology\*
- Dual Fuel Operation with Braeburn Outdoor Sensor
- Push-In Terminals for Easy Wiring-No Screwdriver Needed
- Flexible Staging Controlled by Panel or Thermostat



#### Flexible System Options

Controls conventional, heat pump, electric, and dual fuel systems

#### Built In Test Mode

Test all dampers and equipment from main panel

#### Flexible Thermostat Options

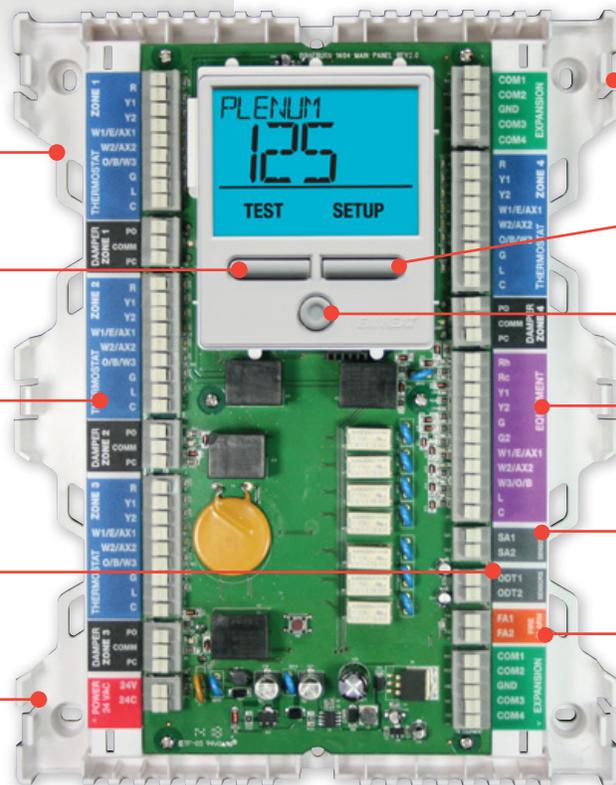
Works with virtually any low voltage heat pump or conventional thermostat

#### Outdoor Sensor Terminals

Connect to Braeburn outdoor sensor for heat pump balance point control

#### Professional Appearance

Wire along side and underneath with multiple wire tie points



#### Compact Housing

8" x 10" housing with large 5.5 sq. in. backlit display

#### Easy 2 Button Setup

Set up and test from main display

#### Emergency Heat Button

Panel mounted button and selectable thermostat emergency heat control

#### Equipment Terminals

Simple push-in wiring terminals with LED status indicators

#### Supply Air Sensor Included

Stainless steel sensor helps control staging and high / low temperature cutout

#### Fire Alarm Terminals

Selectable for normally open or closed

Model 140404

\* Requires Braeburn Model 7500 Universal Wireless Thermostat Kit.



## 140424 2 Zone Expander Control Panel

### Use with 140404 Zone Panel

- Add Zones in Affordable 2 Zone Increments
- Compact 8" x 5" Foot Print Stacks Neatly with Main Panel
- Add Up to 28 Additional Zones (32 total)
- Can be used with Virtually All Low-Voltage Thermostats and Dampers from other Manufacturers
- Push-In Terminals for Easy Wiring- No Screw Driver Needed
- Easy Setup and Configuration
- LED's Show All Calls and Damper Status at a Glance
- Installs Up to 500 ft. from Main Panel

#### Flexible System Options

Install up to 500 feet from main panel

#### Flexible Thermostat Options

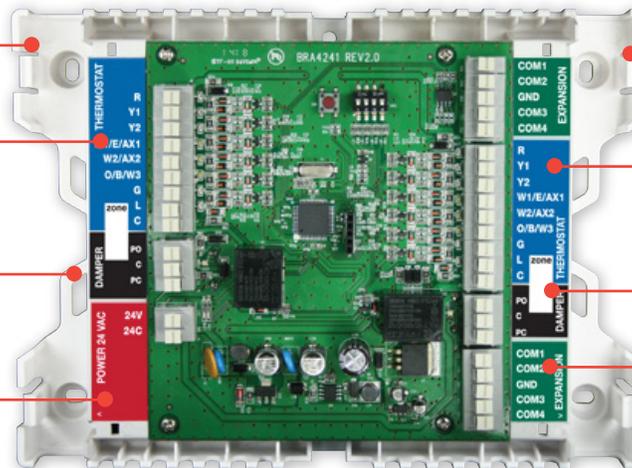
Works with virtually any low voltage heat pump or conventional thermostat

#### Professional Appearance

Wire along side and underneath with multiple wire tie points

#### Power Terminals

Accepts standard 24 VAC power from transformer. Built in self-resetting fuse helps protect panel



Model 140424

#### Compact Housing

8" x 5" housing connects neatly to main housing or remotely

#### Thermostat Terminals

Push-in wiring terminals with LED status indicators

#### Damper Terminals

Push-in wiring terminals with LED status indicators

#### Easy to Wire

Use standard 5-wire thermostat wire from panel to panel

#### Easy Setup

Set zone number on main panel

## Round Zone Dampers

### Power Open / Power Close

24 VAC 4 VA 3-wire universal operation



Power Open / Power Close

Power Open Power Close	Diameter (Inches)	Length (Inches)	Power Open Power Close	Diameter (Inches)	Length (Inches)
109005	5	11.25	109012	12	11.75
109006	6	11.25	109014	14	13.75
109007	7	11.25	109016	16	15.75
109008	8	11.25	109018	18	17.75
109009	9	11.25	109020	20	19.75
109010	10	11.25			



Spring Return

### Spring Return

- 24 VAC 8 VA 2-wire universal operation
- Available in Power Close / Spring Return and Power Open / Spring Return

### Static Bypass

- Vertical or horizontal mounting
- Reversible control for flexible mounting

Power Close Spring Return	Power Open Spring Return	Static Bypass	Diameter (Inches)	Length (Inches)
119004	129004	-	4	9.75
119005	129005	-	5	9.75
119006	129006	-	6	9.75
119007	129007	119107	7	9.75
119008	129008	119108	8	9.75
119009	129009	119109	9	9.75
119010	129010	119110	10	9.75
119012	129012	119112	12	11.75
119014	129014	119114	14	13.75
119016	129016	119116	16	15.75
119018	129018	119118	18	17.75
119020	129020	119120	20	19.75



Bypass

### Retrofit (PO/PC)

24 VAC 4 VA 3-wire universal operation



Retrofit

Round Retrofit (PO / PC)	Diameter (Inches)	Round Retrofit (PO / PC)	Diameter (Inches)
128004	4	128007	7
128005	5	128008	8
128006	6	128010	10



## Rectangular Zone Dampers

### Power Open / Power Close

- For use as zone or bypass damper
- 24 VAC 4 VA universal operation



Power Open /  
Power Close



Power Close /  
Spring Return



Bypass

#### Height in Inches

	8	10	12	14	16
8	100808	—	—	—	—
10	101008	101010	101012	101014	—
12	101208	101210	101212	101214	—
14	101408	101410	101412	101414	—
16	101608	101610	101612	101614	101616
18	101808	101810	101812	101814	101816
20	102008	102010	102012	102014	102016
22	102208	102210	102212	102214	102216
24	102408	102410	102412	102414	102416
26	102608	102610	102612	102614	102616
28	—	—	—	102814	102816
30	—	—	—	103014	103016

Width in Inches

All motors are mounted on the Height Dimension

### Power Close / Spring Return

- 2 wire installation
- 24 VAC 8 VA universal operation

#### Height in Inches

	8	10	12	14	16
8	110808	—	—	—	—
10	111008	111010	111012	111014	—
12	111208	111210	111212	111214	—
14	111408	111410	111412	111414	—
16	111608	111610	111612	111614	111616
18	111808	111810	111812	111814	111816
20	112008	112010	112012	112014	112016
22	112208	112210	112212	112214	112216
24	112408	112410	112412	112414	112416
26	112608	112610	112612	112614	112616
28	—	—	—	112814	112816
30	—	—	—	113014	113016

Width in Inches

All motors are mounted on the Height Dimension

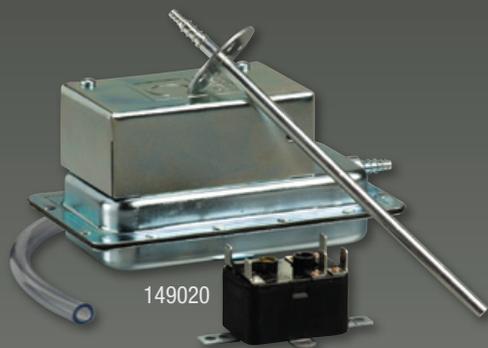
### Rectangular Static Bypass

#### Height in Inches

	8	10	12
12	131208	131210	131212
20	132008	132010	132012

Width in Inches





## Zoning Systems Accessories

Braeburn Zoning Accessories are designed to give years of performance in demanding zoning applications. Complete the HVAC installation with the full line of Braeburn thermostats and guards.

### 149020 Static Pressure Control

The Braeburn static pressure control is designed to mount on vertical surfaces. Powered from the zone panel transformer, this unit automatically controls the plenum bypass damper by monitoring system pressure as zones close and open.

#### Features

- Used to control plenum bypass air volume
- Reduces bypass problems in mismatched zones
- Includes relay and measuring pitot tube

### 149040 Zoning System Transformer

Braeburn zoning transformers have 120 VAC input and 24 VAC output. UL listed and convenient mounting features for easy installation.

#### Features

- 40 VA, 120 VAC
- Includes mounting plate

### Emergency Heat Switch Kit

These kits are the finishing touch to any zoning system installation. More convenient than the remote switch on the zone panel, both kits include a laser engraved wall plate and handy box.

#### Features

- 149090 features a commercial quality lighted rocker switch
- 149091 features a standard switch

### Replacement Parts

- 149100 Synchron Motor for Round PO/SR Dampers
- 149120 Motor for All PO/PC Dampers (except retrofit)
- 149140 Motor for All PO/SR Dampers
- 149156 Supply Air Sensor
- 149160 Barometric Bypass Damper Counterweight
- 149162 Barometric Bypass Damper Arm Assembly



## Braeburn Zone Panel Feature Comparison

Features	140202	140303	140404
Heat / Cool Stages	2 Heat / 1 Cool	3 Heat / 2 Cool	4 Heat / 2 Cool
System Compatibility	Conventional or Heat Pump	Conventional or Heat Pump	Conventional or Heat Pump
Thermostat Compatibility	Conventional	Conventional	Conventional or Heat Pump
Maximum Number of Zones	2	3	Expandable up to 32
Wireless Zone Compatible	Yes	Yes	Yes
Panel Staging	Time	Time / Temp	Time / Temp / Thermostats
Terminals	Screw-In	Screw-In	Dual Push-In
Emergency Heat	Panel or Remote	Panel or Remote	Panel or Thermostat
Zone Call Indication	Panel Damper LED	Panel Damper / Equip LED's	Panel Display and LED's
Adjustable Opposite Call Timer	Yes	Yes	Yes
Selectable Zone Priority	Yes	Yes	Yes
Adjustable Purge Control	-	Yes	Yes
Supply Air Sensor Included	-	Yes	Yes
Discharge Temperature Display	-	Yes	Yes
Discharge Temperature Staging	-	Yes	Yes
Digital Display with Backlight	-	-	Yes
Menu Driven Setup	-	-	Yes
Built In Test Mode	-	-	Yes
Outdoor Sensor Compatible	-	-	Yes
Color-Coded Terminal Labels	-	-	Yes
Fire Alarm Terminals	-	-	Yes
Heat Pump Balance Point Control	-	-	Yes
Competitive Replacement*	140202	140303	140404
Honeywell®	HZ221	HZ311, HZ322, HZ432	HZ311, HZ322, HZ432
EWC®	BMPlus, NCM, ST	BMPlus, NCM, UZC	BMPlus, NCM, UZC

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### NEW! Wireless Thermostat Kit



### NEW! Smart Wi-Fi Universal Thermostat



# Braeburn® Products



Welcome! Braeburn is the value alternative for a wide variety of indoor air quality control products. Founded in 2001, our corporate headquarters is located in Montgomery, Illinois – just west of Chicago. We are committed to providing you with the precision products you would expect from a world class company. Our manufacturing facility is ISO 9001 and QS9000 rated for the highest assurance of quality. Braeburn provides solutions to lower energy costs and increase comfort in any home or business environment. Our innovative value-added features, reliability and contemporary designs make us the brighter choice in thermostats, air filtration products, humidification and zoning.



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