

2-Zone Control Panel for Conventional, Heat Pump or Dual Fuel Applications (2H / 1C)

Braeburn Zone Control Panels

Featuring a compact 8"W x 6"H housing and a large 3 sq. in. backlit display for set-up, checkout and operation.

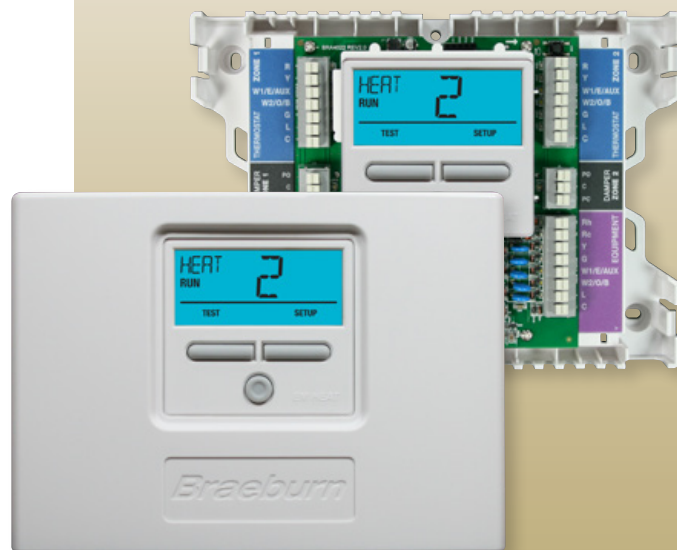
Quick and Easy Installation

Push-in terminal blocks lock in wires without a screwdriver. LED's indicate equipment and zone calls while the display keeps you up to date with panel operation. Plus, wire guides and a small footprint allow for a quick and professional installation.

Specifications

| | |
|---------------------|---|
| Panel Power | 6 VA maximum |
| System Power | 100 VA maximum, 50 VA maximum per zone |
| Protection | Electronic self resetting, current limiting on each zone |
| Zone Damper Control | Compatible with virtually all 24V powered and spring dampers |
| Indicators | LED's for all thermostats, equipment and dampers, LCD display for configuration |
| Configuration | Conventional and Heat Pump equipment Up to 2H / 1C |
| Terminals | Panel Power: 24V, 24C Equipment: Rh, Rc, Y, G, W1/E/AUX, W2/O/B, L, C Thermostats (2 each): R, Y, W1/E/AUX, W2/O/B, G, L, C Dampers (2 each): PO, C, PC Outdoor Air Inputs: ODT1, ODT2 |

140221



Product Features and Benefits

- Controls up to 2 heating and 1 cooling stage
- 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
- Large 3 sq. in. display shows system status
- Dual fuel operation with Braeburn outdoor sensor
- LED's show all calls at a glance
- Push-in terminals for easy wiring—no screwdriver needed
- Flexible staging controlled by panel or thermostat
- Push button set-up without dip switches

PREMIER SERIES

The
brighter
choice®

2-Zone Control Panel 140221

for Conventional, Heat Pump or Dual Fuel Applications (2H / 1C)

Architectural Specifications

The fully automatic zone panel shall be Braeburn model number 140221, 8.0"W x 6"H x 2.1"D, powered from 24 Volts AC. In the event of a power failure, the unit shall retain all configuration settings. The zone panel shall be compatible with low voltage mechanical or electronic thermostats and be capable of controlling up to two stages of heating and one stage of cooling. Wiring blocks with terminals R, Y, W1/E/AUX, W2/O/B, G, and L shall be included for two thermostats and a selectable emergency heat position. Equipment terminals Rh, Rc, Y, W1/E/AUX, W2/O/B, G, L and C shall be present along with two sets of damper terminals PO, C, and PC. Configuration options shall be available for System Type-1st Stage/2nd Stage Fan Control for Heating, Reversing Valve, Auxiliary Stage Heat Compressor Lock, Set EM heat Zones, Compressor Balance Point, Auxiliary Balance Point, Fan Purge Time, Thermostat Type, Equipment Staging Criteria, Staging Lock, Thermostat Able to Activate EM Heat, Zone Priority, Short Cycle Protection, Temperature Scale, Opposite Mode Call Timer, Address Clear. LED's (Light Emitting Diodes) shall be present to monitor Panel Power (1), Panel Processor (1), Emergency heat (1), HVAC equipment terminals (7), two inputs for two thermostats (12), and outputs for two dampers (2). Provisions shall be available to display and adjust high and low temperature cut out and short cycle protection override. The panel shall have an operating temperature of -22 to 167°F (-30 to 75° C), and a storage temperature of -40 to 167°F (-40 to 75° C) with an operating humidity range of 5 to 95% RH non-condensing.

Specifications

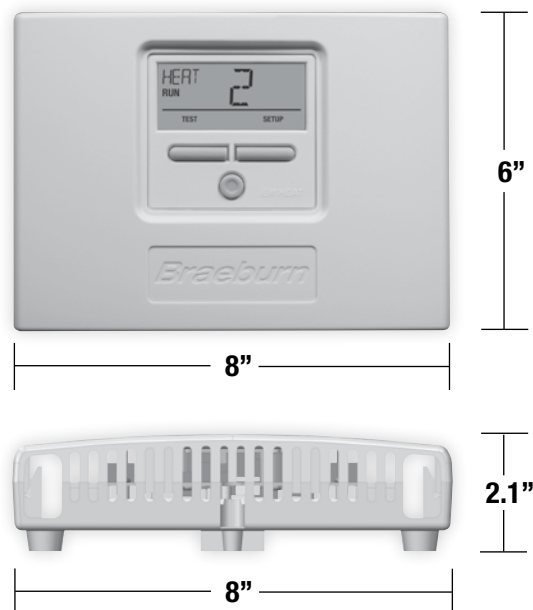
| | |
|----------------|--|
| Power | 24 VAC |
| Outdoor Sensor | Optional (Model 5490) |
| Indicators | LED's for all thermostats, equipment and dampers, LCD for configuration |
| Thermostat | Conventional or Heat Pump Up to 2H / 1C |
| Construction | PC Board in High Impact Housing |
| Mounting | Wall or Return Air Plenum Mount |
| Environmental | Storage -40° F to 167° F (-40° to 75° C) Operating -22° F to 167° F (-30° to 75° C) |

Zone Panels and Expanders

| Description | Item No. |
|-------------------------|----------|
| 2 Zone Economy 2H / 1C | 140202 |
| 3 Zone Economy 3H / 2C | 140303 |
| 2 Zone Premier 2H / 1C | 140221 |
| 3 Zone Premier 3H / 2C | 140332 |
| 4 Zone Premier 4H / 2C | 140404 |
| 2 Zone Premier Expander | 140424* |

* For use with 140404 Zone Panel.

Dimensions



The Braeburn Advantage

The Best Value in Zoning Today®

- Suitable for commercial and residential installation.
- Designed for years of trouble free operation.
- Fully compatible with Braeburn and other zoning system components.

Braeburn Thermostats and Accessories

From our Deluxe Series to our economical Builder Series, Braeburn has the products you need to lower energy costs and increase comfort in any home or business environment. Call Us Toll-Free 866.268.5599 (U.S.) +1.630.844.1968 (Outside the U.S.) www.braeburnonline.com