

# Robertshaw®



## Comfort Control Made Simple

The Robertshaw® RS4000 thermostat family is *Simply the Right Choice™* when it comes to automated temperature controls.

With the comfort, convenience, and efficiency features that homeowners and contractors want, the RS4000 family provides custom program options in value-packed thermostats for an affordable price.

- Quick connect wiring feature to save up to 15 minutes on every installation.
- Pop-up Wizard to customize thermostat settings with an instant start-up menu.
- Fully adjustable differentials to maintain optimal heating and cooling comfort year-round.

All RS4000 thermostats are fully compatible with all standard 24V AC heating and cooling systems. Additional compatibility with multi-stage gas/electric furnaces and heat pump systems are available in the RS4220 and RS4320 models.

Add in easy installation, Contractor ID option, and quality you can depend on, and you have the Robertshaw RS4000 thermostat family - *Simply the Right Choice.*

RS4110  
RS4220  
RS4320

VALUE SERIES  
DIGITAL NON-PROGRAMMABLE  
THERMOSTATS



ELECTRIC    GAS    OIL    HEAT PUMP    MILLIVOLT

RS4110 – 1 Heat / 1 Cool

RS4220 – Universal Control up to 2 Heat / 2 Cool

RS4320 – Universal Control up to 3 Heat / 2 Cool

## Features and Benefits

**Universal Control up to 2 Heat / 2 Cool – RS4220 only**

**Universal Control up to 3 Heat / 2 Cool – RS4320 only**

Operates on both multi-stage gas/electric furnaces and heat pumps means less inventory.

### Auto Changeover

Switches automatically between heating and cooling for constant home comfort.

### Pop-Up Wizard

Launches instant installation menu to quickly enter the settings for programmed thermostat functions.

### Bigger Brighter Backlight with Nightlight Option

Makes viewing and setting the temperature easier any time of the day.

### Worry-Free Memory Retention

Maintains set point and programmed parameters, even during power outages.

### Easy Change Battery Access

Provides drop down removable compartment for quick battery replacement.

### Circulating Fan

Maintains optimal air circulation between demand cycles for improved comfort with minimal energy use.

### Low Temperature Freeze Protection

Turns on heat automatically when temperature goes below 41°F. Protects pipes from freezing.

### Adjustable Temperature Differential and Upstaging

Provides for full selection of parameters to deliver maximum comfort or energy savings.

### High and Low Setpoint Limits

Protects the heating and cooling systems by limiting temperature settings.

An ISO 9001 – 2000 Certified Company

**5** Year  
Limited  
Warranty

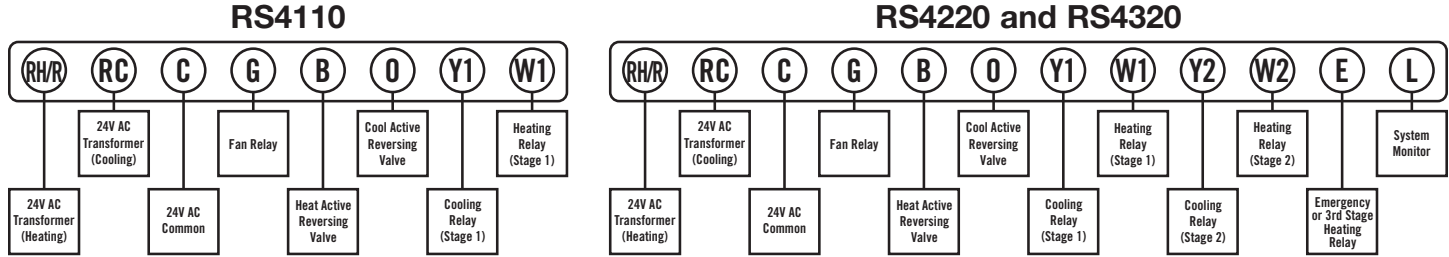




RS4110  
RS4220  
RS4320

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## Terminal Designations



## Technical Specifications

|                              |  |
|------------------------------|--|
| <b>Product Weight</b>        | 12.8 oz.   |
| <b>Electrical Rating</b>     | 24V AC (18-30V AC)<br>1 amp maximum load per terminal<br>3 amp total maximum load<br>(all terminals combined)          |
| <b>Temp. Control Range</b>   | 45°F to 90°F (7°C to 32°C)   |
| <b>Accuracy</b>              | ± 1°F (± 0.5°C)  |
| <b>Power</b>                 | 24V AC with battery back-up OR 3.0V DC<br>(2 AA alkaline batteries included)   |
| <b>System Configurations</b> | Two stage gas, electric, oil, millivolt, and<br>up to three stage heat pump systems                                    |
| <b>Terminations</b>          | <b>RS4110</b> – RH/R, RC, C, G, B, O, Y1, W1<br><b>RS4220 / RS4320</b> – RH/R, RC, C, G, B, O,<br>Y1, W1, Y2, W2, E, L |

## Shipping Specifications

|                              |                         |
|------------------------------|-------------------------|
| Individual Carton Dimensions | 6.75" x 4.375" x 1.625" |
| Master Carton Quantity       | 6                       |
| Master Carton Dimensions     | 9.25" x 5.625" x 7.625" |
| Master Carton Weight         | 5 lbs.                  |
| Pallet Quantity              | 1170                    |
| Pallet Dimensions            | 40" x 48" x 48"         |

## Replacement Chart

| RS4110        |                  |
|---------------|------------------|
| Robertshaw®   | 9400, 9401       |
| Braeburn®     | 3000             |
| Lux           | PDS111           |
| Honeywell     | TH3110D, TH5110D |
| White-Rodgers | 1F86-0471        |
| RS4220        |                  |
| Robertshaw®   | 9415, 9420       |
| Braeburn®     | 3100, 3200       |
| Lux           | PSDH121          |
| Honeywell     | TH3210D, TH5220D |
| White-Rodgers | 1F83-0471        |
| RS4320        |                  |
| Honeywell     | TH5320D          |
| White-Rodgers | 1F83-0471        |

Verify specific application requirements before substitution.

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