



# BT110D



## DIGITAL NON-PROGRAMMABLE 1 STAGE COOL/1 STAGE HEAT THERMOSTAT

### FEATURES

- Large Green Back Lit Display
- Compatible With Central AC, Central Heating (Gas, Oil, Electric or High Efficiency Furnaces), Hot Water (Steam or Gravity), 75mV Heat Systems and 1 Heat/1 Cool Heat Pump Systems
- Battery or System Powered
- Precise Comfort Control
- Automatic Compressor Short Cycle Protection
- Low Battery Indicator

### REPLACES

- ROBERTSHAW: 09500, 09400, 09401, 08400, 08401
- HONEYWELL: T8400, T8401, TH110D, TH3110
- WHITE ROGERS: 1F78, 1F86
- ICM: SC2000, SC2001, SC2010
- BRAEBURN: 1000, 3000

### PRODUCT SPECS

#### TEMPERATURE SETPOINT

- Heating: 40° F TO 90° F (4.5° C to 37° C)
- Cooling Range: 50° F to 99° F (10° C to 37° C)
- Resolution: 1° F (0.5° C)

#### TEMP DISPLAY

- Range: 32° F to 99° F (0° C to 37° C)
- Resolution: 1° F (0.5° C)

#### OPERATING TEMP

- 32° F to 122° F (0° C to 50° C)

#### SHIPPING TEMP

- -40° F to 130° F (-40° C to 55° C)

#### OPERATING RELATIVE HUMIDITY

- 5% to 90% (non-condensing)

#### PHYSICAL DIMENSIONS

- 3.7" H x 4.7" W x 1.0: D (94mm H x 120mm W x 25mm D)

#### Power

- 24VAC or 2 AAA Batteries

#### MAXIMUM LOAD

- 1A @24VAC per output

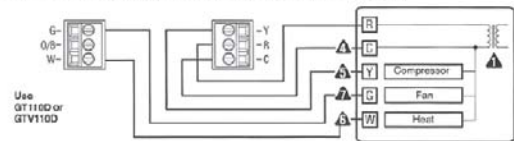
The BT110D is an economical digital non-programmable thermostat that allows direct input of the desired heat and cool temperature set points directly on the large LCD display.

Additionally, set temperatures can be easily overridden. The 5 minute minimum off time in COOL protects the air conditioning system from being damaged.

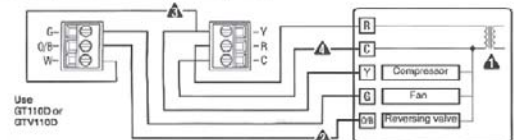
Two AAA batteries are used to run the thermostat if common is not used.

### TECHNICAL SPECS

Gas, oil or electric heating and/or air conditioning (1H / 1C / 1H1C)



Heat pump without auxiliary heating (1H1C)



- ⚠ Power supply. Provide disconnect means and overload protection as required.
- ⚠ Set the O/B jumper according to the type of reversing valve.
- ⚠ Use a piece of wire (not supplied) to connect W and Y terminals to each other.
- ⚠ Optional 24 VAC common connection. If this connection is not made, use batteries to power the thermostat.
- ⚠ This connection is not required for systems that provide heating only
- ⚠ This connection is not required for systems that provide cooling only
- ⚠ This connection is not required for systems that do have an air recirculating fan

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# BT211D



## DIGITAL NON-PROGRAMMABLE 1 STAGE COOL/2 STAGE HEAT THERMOSTAT

### FEATURES

- Large Green Back Lit Display
- Compatible With All Heat Pump Systems
- Battery or System Powered
- Precise Comfort Control
- Automatic Compressor Short Cycle Protection
- Fahrenheit or Centigrade Compatible
- Low Battery Indicator

### REPLACES

- ROBERTSHAW: 09520, 09420, 08420
- HONEYWELL: T8411, TH321, TH210
- WHITE ROGERS: 1F79, 1F83
- ICM: SC2200, SC2210
- BRAEBURN: 3200
- LUX: PSDH121

### PRODUCT SPECS

#### TEMPERATURE SETPOINT

- Heating: 40° TO 90° F (4.5° C to 37° C)
- Cooling Range: 50° F to 99° F (10° C to 37° C)
- Resolution: 1° F (0.5° C)

#### TEMP DISPLAY

- Range: 32° F to 99° F (0° C to 37° C)
- Resolution: 1° F (0.5° C)

#### OPERATING TEMP

- 32° F to 122° F (0° C to 50° C)

#### SHIPPING TEMP

- 40° F to 130° F (-40° C to 55° C)

#### OPERATING RELATIVE HUMIDITY

- 5% to 90% (non-condensing)

#### PHYSICAL DIMENSIONS

- 3.7" H x 4.7" W x 1.0" D (94mm H x 120mm W x 25mm D)

#### Power

- 24VAC or 2 AAA Batteries

#### MAXIMUM LOAD

- 1A @24VAC per output

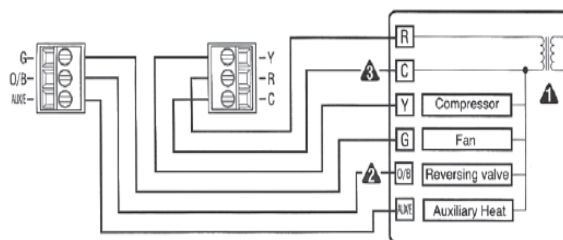
The BT211D is an economical digital non-programmable thermostat that allows direct input of the desired heat and cool temperature set points directly on the large LCD display.

Additionally, set temperatures can be easily overridden. The 5 minute minimum off time in COOL protects the air conditioning system from being damaged.

Two AAA batteries are used to run the thermostat if common is not used.

### TECHNICAL SPECS

Heat pump with auxiliary heating (2H1C)



⚠ Power supply. Provide disconnect means and overload protection as required.

⚠ Set the O/B jumper according to the type of reversing valve.

⚠ Optional 24 VAC common connection. If this connection is not made, use batteries to power the thermostat.

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# BT11NP

## DIGITAL NON-PROGRAMMABLE 1 STAGE COOL/1 STAGE HEAT THERMOSTAT



The BT11NP is a digital non-programmable thermostat that provides an economical temperature control solution in a contemporary small package. The bright blue backlight allows easy viewing, especially under low light conditions.

### FEATURES

- Dual Powered - Hardwired or Battery
- Bright Blue Display Backlight
- Adjustable Temperature Limits
- Non-Volatile Memory Retains User Settings
- Easy Access Front Battery Door
- Separate O & B Terminals
- Separate Heating & Cooling Set Point Temperatures
- Three Level Low Battery Indication
- Front Access Reset Button
- F° / C° Switch
- Gas / Electric Fan Switch
- Compressor Short Cycle Protection

### PRODUCT SPECS

#### DIMENSIONS

- ★ 3.72" x 4.75" x 1.12"

#### ELECTRIC RATING

- ★ 24 Volt AC (18-30 Volt AC)
- ★ 1 amp maximum load per terminal
- ★ 2 amp total maximum load (all terminals)

#### AC POWER

- ★ 18-30 Volt AC

#### DC POWER

- ★ 3.0 Volts DC
- ★ 2 AA Alkaline batteries included

#### COMPATIBILITY

- ★ Single stage gas, oil or electric systems
- ★ Single stage heat pump systems
- ★ 250mv - 750mv millivolt heating systems

#### CONTROL RANGE

- ★ 45° TO 90° F (7° TO 32° C)

#### DISPLAY RANGE

- ★ 40° TO 99° F (4° TO 37° C)

#### ACCURACY

- ★ +/- 1° F (+/- .5° C)

#### TEMPERATURE DIFFERENTIAL

- ★ .5°, 1° or 2° F (.25°, .5° or 1° C)

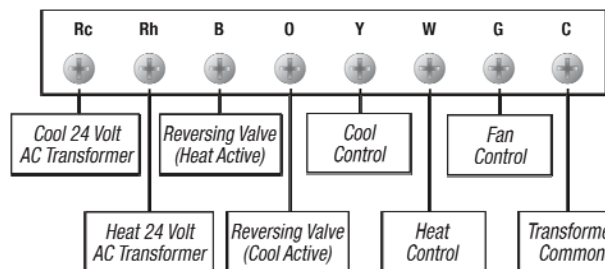
#### OPERATING HUMIDITY

- ★ 5% TO 95% Relative Humidity

#### TERMINATION

- ★ Rc, Rh, B, O, Y, W, G, C

### TECHNICAL SPECS



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# BT21NP

## DIGITAL NON-PROGRAMMABLE 1 STAGE COOL/2 STAGE HEAT THERMOSTAT



The BT11NP is a digital non-programmable thermostat that provides an economical temperature control solution in a contemporary small package. The bright blue backlight allows easy viewing, especially under low light conditions.

### FEATURES

- Dual Powered - Hardwired or Battery
- Bright Blue Display Backlight
- Adjustable Temperature Limits
- Non-Volatile Memory Retains User Settings
- Easy Access Front Battery Door
- Separate O & B Terminals
- Separate Heating & Cooling Set Point Temperatures
- Three Level Low Battery Indication
- Front Access Reset Button
- F° / C° Switch
- Auxiliary Heat Indicator
- Compressor Short Cycle Protection

### PRODUCT SPECS

#### DIMENSIONS

- ★ 3.72" x 4.75" x 1.12"

#### ELECTRIC RATING

- ★ 24 Volt AC (18-30 Volt AC)
- ★ 1 amp maximum load per terminal
- ★ 3 amp total maximum load (all terminals)

#### AC POWER

- ★ 18-30 Volt AC

#### DC POWER

- ★ 3.0 Volts DC
- ★ 2 AA Alkaline batteries included

#### COMPATIBILITY

- ★ Multi-stage conventional or heat pump systems with up to two stages of heating and one stage of cooling

#### CONTROL RANGE

- ★ 45° TO 90° F (7° TO 32° C)

#### DISPLAY RANGE

- ★ 40° TO 99° F (4° TO 37° C)

#### ACCURACY

- ★ +/- 1° F (+/- .5° C)

#### TEMPERATURE DIFFERENTIAL

- ★ 1st Stage: .5°, 1° or 2° F (.25°, .5° or 1° C)
- ★ 2nd Stage: 2°, 3°, 4°, 5° or 6° F (1°, 1.5°, 2°, 2.5° or 3° C)

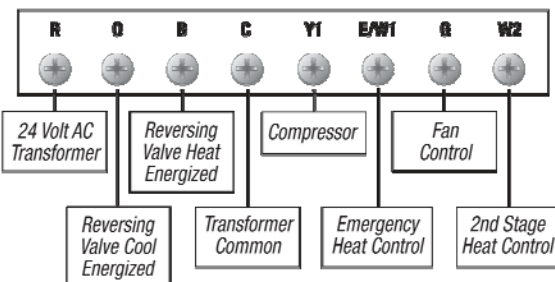
#### OPERATING HUMIDITY

- ★ 5% TO 95% Relative Humidity

#### TERMINATION

- ★ R, O, B, C, Y1, E/W1, G, W2

### TECHNICAL SPECS



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