

**PSDH021B  
2 STAGE HEAT / 1 STAGE COOL**

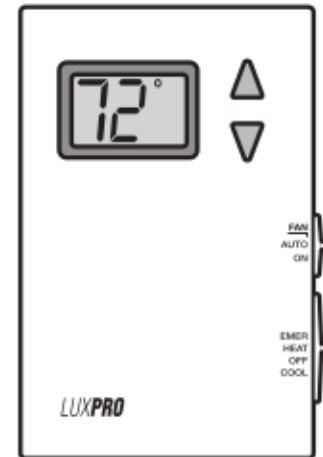
- **Battery Powered Only**
- **Large Illuminated Digital Display**
- **Attractive Slim Design**
- **Soft Touch Buttons**
- **Default Set Temps: 65F Heat / 78F Cool**
- **Fahrenheit/Celsius Switchable**
- **Adjustable Temperature Stops**
- **5 Minute Compressor Protection**
- **Easy Installation**
- **Optional Wall Plate Available**

**Compatible With:**

- Most 24VAC Heat Pump Systems
- Single Stage and 2 Heat / 1 Cool: Heat Pumps

**Not Compatible With:**

- Dual Fuel Systems
- 3 Wire Hydronic Systems
- Line Voltage Systems (120 / 240 VAC)
- Millivolt Systems (Wall Heaters / Furnaces & Gas Fireplaces)



Terminals: R, O/B, Y1, W2, E, G

**GENERAL DESCRIPTION:**

3.25" (83mm) wide x 5.05" (128mm) tall x 1.10" (28mm) deep  
Wall plate: 4.50" (114 mm) wide x 5.45" (138 mm) tall

Description: Digital thermostat with a large easy-to-read display with backlight.  
Temperature control set from factory at a fixed value of +/- 0.5° F/C. **Available power options are: [W] System Powered Only version, or [B] Battery Powered Only version.**

**SPECIFICATIONS:**

**Electrical Ratings:** 1½ AMPS at each terminal, 24 VAC.

PSDH021W: System Powered Only.

PSDH021B: Battery Powered Only (2 "AA" Batteries).

**WARNING: Use Energizer® or DURACELL® Alkaline Batteries Only.**

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**Temperature Control Range:** 45°F to 90°F (7° to 32°C). Accuracy: ±1°F over a range of 45°F to 90°F.

**Environmental Limits:**

Moisture and Dust: meets IP20.

Operating Humidity: 20% to 90% non-condensing.

Operating Temperature: +14°F to +122°F (-10°C to +50°C).

Storage Temperature: -4°F to +140°F (-20°C to +60°C).

Electrical Immunity: meets relevant CE specifications.