

BEST • HYDRONIC

HB TWO CIRCUIT ELECTRONIC - BATTERY POWERED*

New Product!



shown with cover
Run, Key Lock features
Time/Temperature Display
One button HIBERNATE



switch under cover

MODEL	UPC #093319 PART #	TYPE	PACK-AGING	WIRE LEADS	VOLTS	AMPS	TEMP. RANGE
HB	19050	Electronic Line Voltage	Box (50 pieces)	3 Wire	120 / 208 / 240	16	40°F - 95°F

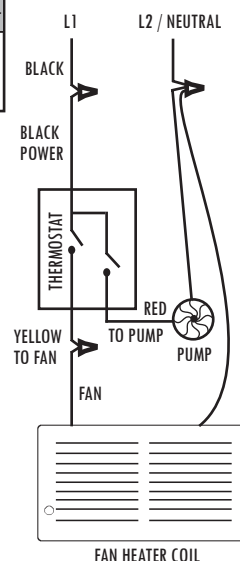
* battery powered to allow use on 2 wire installations

This HBP Series was intended to be used as a 2 circuit thermostat controlling a circulation pump and a fan on a hydronic coil heating system, though it could have other uses where you need a 2 circuit control with a 1 minute delay on the 2nd circuit. This control will solve the historic problem of using a standard 22

Amp bi-metal heating thermostat on a hydronic system which require high Amp loads to be accurate. Without a load they will not shut off the circulating hot water when not needed.

This control positively controls both circuits creating energy savings, superior control and comfortable living spaces.

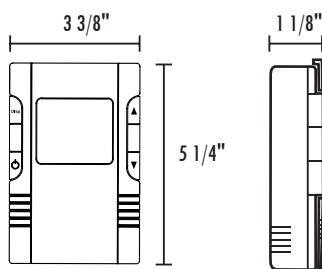
WIRING DIAGRAM



SPECIFICATIONS

Temperature Range: 40°F to 95°F (4°C - 35°C)
 Temperature Default: 68°F (20°C)
 Display Format: LCD
 Display Size: Large Format
 Sample Rate: Every 60 seconds
 Delay On or Off: 3 minutes
 Heat Indicator: LCD "heater on"
 Relay Rating: 16 Amps
 Relay: AA battery powered
 Accuracy: ± .9°F @ 2000W
 Maximum Amps: 16 resistive continuous
 Maximum Watts: 3840 @ 240V
 3328 @ 208V
 1920 @ 120V
 Minimum Watts: 0
 Power Supply: 1 - 240VAC
 1 - 30VDC

Dimensions:



FEATURES

- Save up to 15% on heating costs.
- Even temperature control.
- Electronic temperature sensing is the most accurate technology.
- 3 minute cycle rate reduces temperature swings and increases comfort at all control settings.
- Contemporary design.
- Complies with all codes requiring anticipated or electronic thermostats.
- Dual single pole design with three wires.
- LCD display with temperature.
- White color with gray accents.
- Shallow design allows more wiring room inside full electrical boxes.
- Tap key temperature settings.
- LCD Heater ON Indicator.
- System HIBERNATE button.
- 16 Amps at 240V, 3840 Watts.
- 16 Amps at 208V, 3328 Watts.
- 16 Amps at 120V, 1920 Watts.
- Three wire installation.
- Snap action relay built-in.
- Wire leads #12 AWG.
- No depth into wire box.
- 40°F to 95°F (4°C to 35°C) set point range.
- Dual switch operation.
- Electronically anticipated.
- Thermistor sensor.
- Contemporary styling.
- Digital thermometer/set point.
- LCD display.
- Meets energy requirements.
- 1.5 degrees maximum.
- 3 min. delay between cycles.
- For use on all types of electric heaters, fan-forced, baseboard, radiant or hydronic applications.
- System HIBERNATE button.
- Battery operated by AA batteries.

TECHNICAL

INSTALLATION

This line voltage device should be installed and serviced by a qualified electrician. The thermostat has been designed to mount to a standard 2" X 4" electrical outlet box. Leveling of the thermostat is not required. Mounting screws are provided. Mount the thermostat about five feet above the floor in an area with good air circulation. Avoid mounting the thermostat where it will be affected by drafts, air from ducts, and radiant heat sources such as appliances, the sun or plumbing pipes. Typically the best location is above a light switch for that room.



without cover