

BEST • HYDRONIC

HBP TWO CIRCUIT ELECTRONIC 5 + 1 + 1 PROGRAMMABLE HYDRONIC - BATTERY POWERED*

New Product! available mid-2007



shown with cover
Key Lock, Hold functions
Time/Temperature Display
One button HIBERNATE
Battery powered

MODEL	UPC #093319 PART #	TYPE	PACKAGING	WIRE LEADS	VOLTS	AMPS	TEMP. RANGE
HBP	19051	5+1+1 Day Electronic Programmable	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.

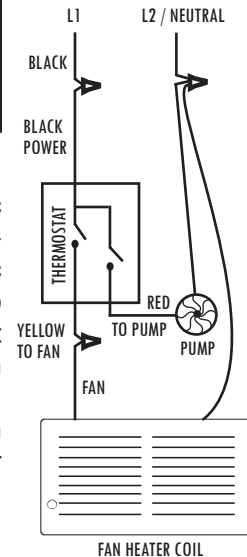


"E-Z dial" under cover

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.

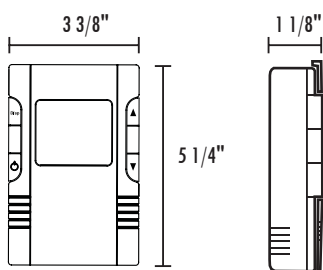
This control positively controls both circuits creating energy savings, superior control and comfortable living spaces.

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 28% 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 and time of day.
- White color with gray print.
- Shallow design allows more wiring room inside full electrical boxes.
- Tap key temperature settings.
- Flame icon heat indicator.
- Low battery indication.
- System HIBERNATE button.

TECHNICAL

- 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.
- AA battery powered relay.
- Wire leads #12 AWG.
- No depth into wire box.
- 40°F to 95°F (4°C to 35°C) set point range.
- Easy dial program operation.
- Electronically anticipated.
- Thermistor sensor.
- Contemporary styling.
- Digital thermometer/set point.
- Large LCD display.
- Meets energy requirements.
- 1.5 degrees maximum swing.
- 3 min. delay between cycles.
- System HIBERNATE button.

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.



cover removed for programming