Hydronic Thermostat HW, HWP & HWPT

HW120

Non Programmable
For Hydronic Heaters

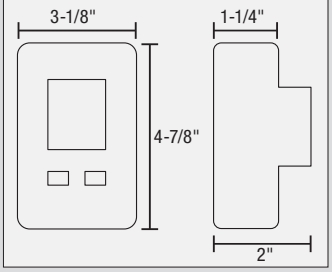
HWP120

Programmable
For Hydronic Heaters

HWPT120

Programmable
Adds Timer for Pump

Dimensional Data



- Save up to 15% on your heating costs (HW)
- Save up to 28% on your heating costs (HWP/HWPT)
- Even temperature control
- Pre-programmed
- LCD backlight display with temperature
- Green backlight display
- Push button temp. settings
- 1 year warranty
- Electronic temperature sensing is the most accurate technology
- 3 minute cycle rate reduces temperature swings and increases comfort at all control settings
- Complies with all codes requiring anticipated or electronic thermostats
- Single pole design with third wire to power display
- Shallow design allows more wiring room inside full electrical boxes
- 2 circuits, 1 minute delay on 2nd circuit
- HWPT adds pump exersizer for potable water applications

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Ordering Information

MODEL	UPC	TYPE	WIRE LEADS	VOLTS	AMPS	TEMP. RANGE
HW120	19048	Electronic Line Voltage	4 Wire	120	12.5	40ºF-95ºF
HWP120	19047	7 Day Independent Electronic Programmable	4 Wire	120	12.5	44ºF-95ºF
HWPT120	19049	7 Day Ind. Elec. Prog. w/ 15 min. pump timer every 24 hrs.	4 Wire	120	12.5	44ºF-95ºF

The HW Non Prog. Electronic Thermostat

The HW (hot water) Series was intended for use as a 2 circuit thermostat controlling a circuit pump and fan on a hydronic coil heating system, though it could be used when needing a 2 circuit control with 1 minute delay on the second circuit. This control solves 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 properly, continuing to circulate hot water when not needed. This control positively controls both circuits creating energy savings and superior comfort control, while providing excellent hydronic control.

The HWP Programmable Electronic Thermostat

Adds 7 independent day programming with 4 times and temperature settings per day to save energy and also start system before you get home.

The HWPT Programmable Electronic Thermostat

Programmable features plus it adds a 15 minute pump exersizer every 24 hours as required by code on potable water heating systems. First cycle will start in 12 hours from the power on time so that all cycling will happen at night.

HW Technical Specifications

Temperature Range:
40°F to 95°F (4°C - 35°C)
Temperature Default:
Your saved setting
Display Format: LCD
Display Size: Large Format
Sample Rate: Every 60 seconds
Delay On or Off: 3 minutes
Heat Indicator: Radiant
Relay Rating: 12.5 Amps
Accuracy: ± .9°F @ 1500W
Maximum Amps: 12.5 res. per pole
Maximum Watts: 3000 @ 240V
2600 @ 208V - 1500 @ 120V per pole
Minimum Watts: 0
Power Source:120VAC, 50-60Hz
- 12.5 Amps per circuit.
- Four wire installation.
- Snap action relays.
- Wire leads #16 AWG.
- ¾" depth into wire box.
- 40°F to 95°F (4°C - 35°C) set point range.
- Thermistor sensor.
- Digital thermometer/set point.
- Large LCD display.
- Meets energy code requirements.
- 1.2 degrees differential.
- 3 min. delay between cycles.
- 1 min. delay between circuits.
- For use on hydronic fan coils.
- On/Off switch for green backlight & system.
- Battery backup.

HWP/HWPT Technical Specifications

Temperature Range:
44°F to 95°F (7°C - 35°C)
Temperature Default:
Your saved setting
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: 12.5 Amps
Accuracy: ± .9°F @ 2000W
Maximum Amps: 12.5 resistive
Maximum Watts: 3000 @ 240V
2600 @ 208V - 1500 @ 120V
Minimum Watts: 0
Power Source:120VAC, 50-60Hz
- 12.5 Amps per circuit.
- Four wire installation.
- Snap action relays.
- Wire leads #16 AWG.
- ¾" depth into wire box.
- 44°F to 95°F (7°C - 35°C) set point range.
- Thermistor sensor.
- Digital thermometer/set point.
- Large LCD display.
- Meets energy code requirements.
- 1.2 degrees differential.
- 3 min. delay between cycles.
- 1 min. delay between circuits.
- For use on hydronic fan coils.
- On/Off switch for green backlight & system.
- Battery backup.
- HWPT adds exersizer pump timer.

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