

PREMIUM • PROGRAMMABLE



ESP230 ELECTRONIC PROGRAMMABLE LINE VOLTAGE

Star Performer



Backlight Display
ON/OFF illumination switch
System OFF switch

| MODEL | UPC #093319 PART # | TYPE | PACK-AGING | WIRE LEADS | VOLTS | AMPS | TEMP. RANGE |
|----------|--------------------|---|------------------------|------------|---------|------|--------------|
| ESP230 | 10376 | 7 Day Independent Electronic Programmable | Box (50 pieces) | 3 Wire | 208/240 | 22 | 44°F - 95° F |
| ESP230-R | 10380 | 7 Day Independent Electronic Programmable | Clamshell* (10 pieces) | 3 Wire | 208/240 | 22 | 44°F - 95° F |

* a master pack of 4 - 10 packs is available (40 units total)

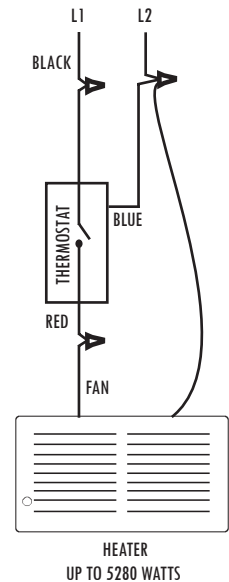
This thermostat took years to develop and has become a popular model. All the features you want without too many buttons. Simple is always better.

We have added backlighting to the full-size display and an on/off switch to control the illumination. On the front two

simple buttons control the temperature up and down, while all the programming keys are hidden under the front cover, protected from wandering, unauthorized fingers.

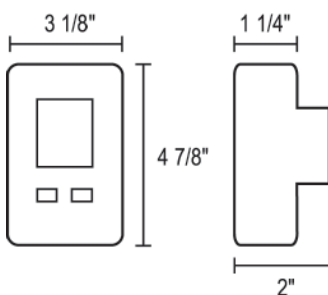
Comfort and convenience is always our primary goal at King.

WIRING DIAGRAM



SPECIFICATIONS

Temperature Range: 44°F to 95°F (7°C to 35°C)
 Temperature Default: Your saved setting
 Display Format: LCD
 Illumination: Green LED
 Sample Rate: Every 60 seconds
 Room Temp. Display: Large LCD
 Delay: 3 minutes on or off
 Accuracy: NEMA TEST
 1.5°F @ 22 Amps,
 1.4°F @ 16 Amps,
 1.2°F @ 10 Amps,
 .9°F @ 4.2 Amps
 Power Source: 208/240 VAC (ESP230), 50 - 60Hz
 Dimensions:



FEATURES

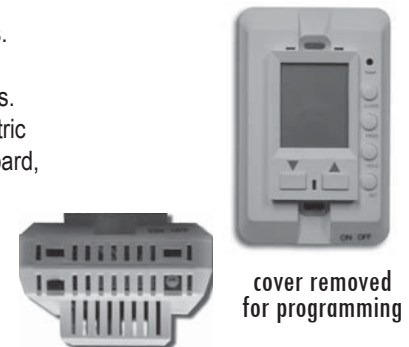
- Save up to 15% on your heating costs.
- Even temperature control.
- Electronic temperature sensing is the most accurate technology.
- 3 minute cycle rate reduces temperature swings and increases comfort at all control settings.
- Contemporary design.
- Complies with all codes requiring anticipated or electronic thermostats.
- Single pole design with third wire to power display.
- LCD display with temperature.
- White color with gray print.
- Shallow design allows more wiring room inside full electrical boxes.
- Tap key temperature settings.
- Red LED Heater ON Indicator.
- Backlight Display.
- System On/Off Switch.

TECHNICAL

- 22 Amps at 240V, 5280 Watts.
- 22 Amps at 208V, 4576 Watts.
- Three wire installation.
- Snap action relay built-in.
- 30 Amp relay (before derating).
- Wire leads #12 AWG.
- 3/4" depth into wire box.
- 44°F to 95°F (7°C to 35°C) set point range.
- Single button operation.
- Electronically anticipated.
- Thermistor sensor.
- 208/240V models only.
- Contemporary styling.
- Digital thermometer/set point.
- Large 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, etc.
- On/Off switch for backlight.
- On/Off switch for system.
- Battery backup.

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.



bottom view of switches