

# Electronic Thermostat ES120/ES230/ESP230



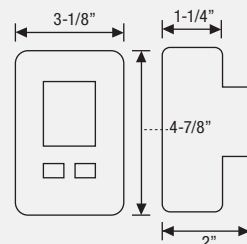
**ES230**  
Non Programmable



**ESP120**  
**ESP230**  
Programmable



## Dimensional Data



- ES saves up to 15% on your heating costs
- ESP saves up to 28% on your heating costs
- Even temperature control
- 3-wire installation
- LCD display of room temperature
- Red LED heater ON indicator
- Comfort color back light display (Red at 75°F / Blue at 65°F)

- 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
- Available in 120V or 208/240V
- System On/Off switch

- 1 year warranty

## Ordering Information

MODEL	UPC	TYPE	WIRE LEADS	VOLTS	AMPS	TEMP. RANGE
ES230-R	10374	Electronic Line Voltage	3 Wire	208/240	22	40°F-95°F
ESP120-R	10378	7-Day Programmable	3 Wire	120	22	44°F-95°F
ESP230-R	10380	7-Day Programmable	3 Wire	208/240	22	44°F-95°F

## The ES Electronic Thermostat

This line voltage thermostat is one of-a-kind in features then improved with memory backup for power outages. All the features you want with only two buttons. Simple has always been better. Two keys on the front control the temperature up and down. With comfort color back lighting and an on/off switch to control the illumination and system. Comfort color back light display is blue at 65°F and red at 75°F and varies in color between making it quick and easy to know your temperature. The illuminated LCD display can be read across the room making it easy to see at night. Simple, accurate control is the goal of the ES model. No fancy programming, just dependable temperature control for your home, saving money on your heating bills.

### ES Technical Specifications

- Temperature Range:** 40°F - 95°F (4°-35°C)
- Temperature Default:** Your saved setting
- Display Format:** LCD
- Illumination:** Blue/Red 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, 0.9°F @ 4.2 Amps
- Power Source:** 120 VAC (ES120), 208/240 VAC (ES230), 50 - 60Hz
- Battery Backup**
  - 22 Amps at 240V, 5280 Watts
  - 22 Amps at 208V, 4576 Watts
  - Wire leads #12 AWG
  - 40°F to 95°F set point range
  - Electronically anticipated
- 208/240V models only
- Digital thermometer/set point
- Meets energy requirements
- Three wire installation
- Snap action relay built-in
- 30 Amp relay
- 3 min. delay between cycles
- For use on all types of electric heaters, fan-forced, baseboard, radiant, etc.
- Single button operation
- Thermistor sensor
- Contemporary styling
- LCD display
- 1.5 degrees maximum
- 3/4" depth into wire box
- On/Off switch for back light
- On/Off switch for system

## The ESP Electronic Programmable

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.

### ESP Technical Specifications

- Temperature Range:** 44°F - 95°F (7°-35°C)
- Temperature Default:** Your saved setting
- Display Format:** LCD
- Illumination:** Blue/Red 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, 0.9°F @ 4.2 Amps
- Power Source:** 208/240 VAC (ES230), 50 - 60Hz
  - 22 Amps at 240V, 5280 Watts
  - 22 Amps at 208V, 4576 Watts
  - 22 Amps at 120V, 2640 Watts
  - Wire leads #12 AWG
  - 44°F to 95°F set point range
  - Electronically anticipated
- 120V or 208/240V models only
- Digital thermometer/set point
- Meets energy requirements
- Three wire installation
- Snap action relay built-in
- 30 Amp relay
- 3/4" depth into wire box
- Single button operation
- Thermistor sensor
- Contemporary styling
- LCD display
- 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