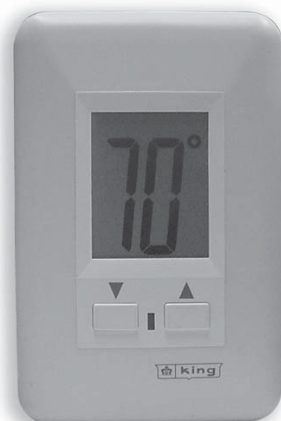


PREMIUM • ELECTRONIC

ES120 & ES230 ELECTRONIC LINE VOLTAGE

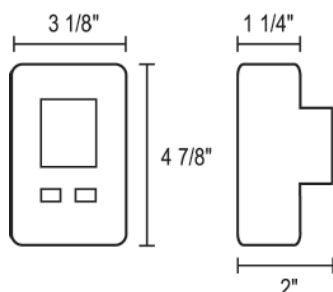
Simple Design



Backlight Display
ON/OFF illumination switch
System OFF switch

SPECIFICATIONS

Temperature Range:
40°F to 95°F (4°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:
120 VAC (ES120),
208/240 VAC (ES230),
50 - 60Hz
Dimensions:



| MODEL | UPC #093319 PART # | TYPE | PACK-AGING | WIRE LEADS | VOLTS | AMPS | TEMP. RANGE |
|---------|--------------------|-------------------------|------------------------|------------|---------|------|-------------|
| ES230 | 10375 | Electronic Line Voltage | Box (50 pieces) | 3 Wire | 208/240 | 22 | 40°F - 95°F |
| ES230-R | 10374 | Electronic Line Voltage | Clamshell* (10 pieces) | 3 Wire | 208/240 | 22 | 40°F - 95°F |
| ES120 | 10379 | Electronic Line Voltage | Box (50 pieces) | 3 Wire | 120 | 22 | 40°F - 95°F |
| ES120-R | 10372 | Electronic Line Voltage | Clamshell* (10 pieces) | 3 Wire | 120 | 22 | 40°F - 95°F |

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

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. We have added back lighting to an oversize display and an on/off

switch to control the illumination and system. The illuminated LCD display can be read across the room making it easy to see at night.

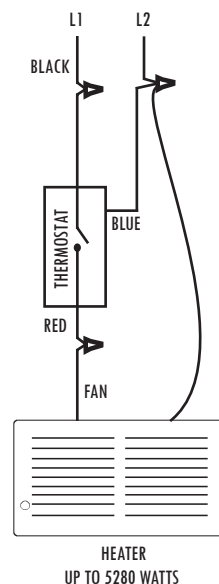
Simple, accurate control is the goal of the ES model. No fancy programming, just dependable temperature control for your home, saving money on your heating bills.

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.
- 22 Amps at 240V, 5280 Watts.
- 22 Amps at 208V, 4576 Watts.
- 22 Amps at 120V, 2640 Watts.
- Three wire installation.
- Snap action relay built-in.
- 30 Amp relay (before derating).
- Wire leads #12 AWG.
- 3/4" depth into wire box.
- 40°F to 95°F (4°C to 35°C) set point range.
- Single button operation.
- Electronically anticipated.
- Thermistor sensor.
- 120V or 208/240V models only.
- 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, etc.
- On/Off switch for backlight.
- On/Off switch for system.

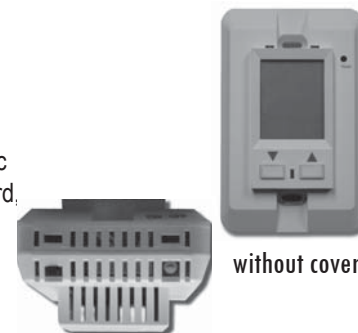
TECHNICAL

WIRING DIAGRAM



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