



Model Code:

LPW	24	45	-ECO	-WD	-R
A	B	C	D	E	F

A: Series
B: 12 - 120V 24 - 240V 20 - 208V
C: Watts (1500 to 4500)
D: ECO2S Controller
E: Color
F: Retail Packaging



- Modern Curved Design
- ECO2S Electronic Controller
- Energy Efficient 2-Stage Heating
- Fan Only & Timer Modes
- Remote Control Included
- Dual Pic-A-Watt® Elements
- Patented Smart Limit Protection®
- 5-Blade Aluminum Fan
- 20 Gauge Powder-Coated Grill
- Long Life Unit Bearing Motor
- Standard Color: White Dove
- Design Colors Available
- 120, 208, or 240 Volts
- 5-Year Limited Warranty



The LPW ECO2S Series Electronic 2-Stage Smart Wall Heater w/ Remote

King redefines comfort with the smart series LPW ECO2S. Combining a sleek and modern architectural design with the unparalleled performance, energy efficiency and user control of the ECO2S 2-stage electronic controller with remote. The LPW ECO2S delivers maximum energy efficiency with automatic 2-stage heating, automatically uses the lowest wattage needed to heat the room. Includes both fan only and timer mode options, as well as a remote control for simple operation. King's exclusive dual Pic-A-Watt steel fin elements allow customers to select from a range of wattage options, tailoring the heater to an area's specific heating requirements, up to 4500W. An ideal choice for both residential and commercial applications.

ECO2S Electronic Controller Features:

- Electronic control for accuracy
- Energy-saving automatic 2-stage heating
- Large LED display
- Remote control and wall bracket included
- Thermostat timer mode (1-9 Hours)
- Fan only mode
- Built-In fan delay



Engineering Specifications

Contractor shall supply and install LPW-ECO2S Series in-wall mounted forced-air electric heaters manufactured by King Electrical Mfg. Company, of the wattage and voltage as indicated on the plans.

Motor: Heavy-duty, cast iron, unit bearing, permanently lubricated with 20cc oil reservoir, 1440 RPM. Enclosed impedance protected with intake air cooling motor for increased bearing life.

Fan: High efficiency, dynamically balanced 5-blade aluminum fan. 185 CFM.

Electronic Control: Up, down temperature mode. Start/Stop. Standard on all heaters. The control voltage is equal to the line voltage.

Elements: Element assemblies shall consist of three steel sheathed heating tubes in a furnace-brazed, plate-finned, block design. Each sheathed tube shall contain coiled Ni-Chrome wire, embedded in an insulator of Magnesium Oxide. The element assembly shall provide up to six (6) possible wattage configurations available for selection during field installation. The use of external resistors, diodes, or other weak links to obtain multiple wattages will not be accepted.

Thermal Overload: Heaters shall be equipped with King's patented thermal overload Smart Limit Protection®, which disconnects elements and motor in the event normal operating temperatures are exceeded. If thermal overload trips due to abnormal operating temperatures, thermal overload shall remain open until manually reset by turning the heater off for 15 minutes.

Fan / Heat / Off: Electronic Controller provides heating and summer fan-only operation.

Wall-box: 20 gauge electro-galvanized steel with factory installed ground-wire. Minimum 4" clearance to floors and 6" to sidewalls. Zero clearance to combustibles in the wall. Recommended 10" clearance to floors and 16" to sidewalls.

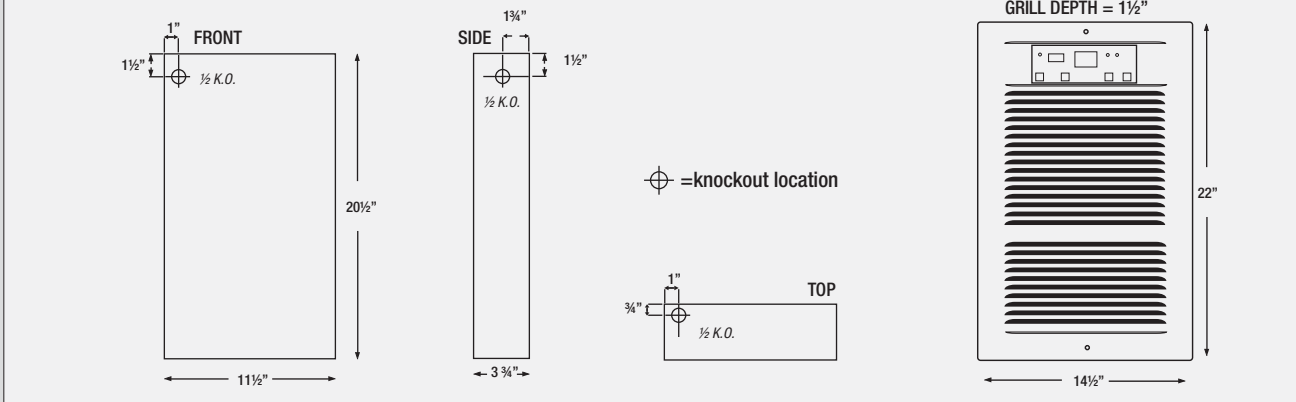
Grill: 20 gauge steel finished in a gloss white, powder-coated paint.

Options: Wired for remote thermostat, retrofit grill, and surface wall-box.

Approvals: cULus

Electronic Wall Heater LPW ECO2S Series

Dimensional Data



“Complete” Stock Models *For other color grill options use chart below to build your own complete

BASE MODEL	VOLTS	COLOR	WATTS	AMPS	SHIP WEIGHT lbs
LPW1227-ECO-WD-R	120	White Dove	1500•1750•2000•2250•2500•2750	10.4-22.9	19
LPW2045-ECO-WD-R	208	White Dove	2500•3000•3500•4000•4500	10.8-21.6	19
LPW2445-ECO-WD-R	240/208*	White Dove	2500•3000•3500•4000•4500	9.4-18.8	19
LPW2445-ECO-AD-R	240/208*	Almondine	2500•3000•3500•4000•4500	9.4-18.8	19
LPW2445-ECO-SN-R	240/208*	Satin Nickel	2500•3000•3500•4000•4500	9.4-18.8	19
LPW2445-ECO-OB-R	240/208*	Oiled Bronze	2500•3000•3500•4000•4500	9.4-18.8	19

*Dual rated heaters will draw 13% less amps and 25% less wattage when operated at 208V.

* Full color consumer packaging

DESIGNER COLORS AVAILABLE



Other Ordering Options *To build your own complete with designer grill options (not noted above) select HRC model of proper voltage and LPWG grill model of proper color.

MODEL	DESCRIPTION	WEIGHT lbs
LPW1227-ECO-HRC	LPW ECO, 120V 2750W, Interior & Recessed Wall Can	11.5
LPW2045-ECO-HRC	LPW ECO, 208V 4500W, Interior & Recessed Wall Can	11.5
LPW2445-ECO-HRC	LPW ECO, 240V 4500W, Interior & Recessed Wall Can	11.5
LPWG-ECO-WD	LPW ECO, Grill - White Dove Color	4.5
LPWG-ECO-AD	LPW ECO, Grill - Almondine Color	4.5
LPWG-ECO-OB	LPW ECO, Grill - Oiled Bronze Color	4.5
LPWG-ECO-SN	LPW ECO, Grill - Satin Nickel Color	4.5
LPWSMF-S2-WD	LPW ECO, Surface Mount Frame - White Dove Color	2
LPWSMF-S2-AD	LPW ECO, Surface Mount Frame - Almondine Color	2
LPWSMF-S2-OB	LPW ECO, Surface Mount Frame - Oiled Bronze Color	2
LPWSMF-S2-SN	LPW ECO, Surface Mount Frame - Satin Nickel Color	2
61747	ECO2S Replacement Infrared Remote Control	0.125

*Kraft box packaging

LPWSC-S2-WD



Optional surface mount frame.

Exploded View

