

Electronic Wall Heater LPW ECO2S Series


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 45-(2500-4500W)
27-(1500-2750W)
- 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



DESIGNER COLORS AVAILABLE



"Complete" Stock Models For other color grill options use "Order A la Carte" chart below to build your own complete heater.

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	19.0
LPW2045-ECO-WD-R	208	White Dove	2500•3000•3500•4000•4500	10.8 - 21.6	19.0
LPW2445-ECO-WD-R	240/208*	White Dove	2500•3000•3500•4000•4500	9.4 - 18.8	19.0
LPW2445-ECO-AD-R	240/208*	Almondine	2500•3000•3500•4000•4500	9.4 - 18.8	19.0
LPW2445-ECO-SN-R	240/208*	Satin Nickel	2500•3000•3500•4000•4500	9.4 - 18.8	19.0
LPW2445-ECO-OB-R	240/208*	Oiled Bronze	2500•3000•3500•4000•4500	9.4 - 18.8	19.0

(-R) Full color consumer packaging

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

NOTE: Not all configurations listed above are stock items (A+ or A stock code). Refer to price book for the Stock code. For non-stock items refer to the table below to order heater parts separately.

Electronic Wall Heater LPW ECO2S Series

Order A'la Carte **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.

STEP 1: Order Heatbox Interior and Recessed Wall Can

ADD SUFFIX	UPC	DESCRIPTION	SHIP WEIGHT lbs
LPW1227-ECO-HRC	32638	LPW ECO, 120V 2750W, Heatbox Interior & Recessed Wall Can	11.5
LPW2045-ECO-HRC	32639	LPW ECO, 208V 4500W, Heatbox Interior & Recessed Wall Can	11.5
LPW2445-ECO-HRC	32640	LPW ECO, 240V 4500W, Heatbox Interior & Recessed Wall Can	11.5

STEP 2: Order Grill

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
LPWG-ECO-WD	32628	LPW ECO, Grill, White Dove Color	4.5
LPWG-ECO-AD	32631	LPW ECO, Grill, Almondine Color	4.5
LPWG-ECO-SN	32630	LPW ECO, Grill, Satin Nickel Color	4.5
LPWG-ECO-OB	32629	LPW ECO, Grill, Oiled Bronze Color	4.5

NOTE: This is the quickest option when the factory installed heaters options are not in stock.

Accessories

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
LPWSMF-WD	32620	LPW, Surface Mount Frame, White Dove Color	2.0
LPWSMF-AD	32623	LPW, Surface Mount Frame, Almondine Color	2.0
LPWSMF-SN	32621	LPW, Surface Mount Frame, Satin Nickel Color	2.0
LPWSMF-OB	32622	LPW, Surface Mount Frame, Oiled bronze Color	2.0
61747	61747	ECO2S Replacement Infrared Remote Control	0.125

** Kraft box packaging

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

