

# Electronic Wall Heater PX ECO2S Series Pic-A-Watt Selectable Wattage Element



### Model Code:

PX 24 17 -ECO -WD  
A B C D E

- A: Series
- B: 12 - 120V 20 - 208V 24 - 240V
- C: Watts 15-(750-1500W)  
17-(750-1750W)
- D: ECO2S Controller
- E: Color Grill
- F: Color Box Packaging



With U.S. & Global Materials



- Smart ECO2S design
- 2-Stage heating
- Remote temperature sensor
- Hand held remote & wall holder
- Auto Memory Feature: returns units to last settings after power outage
- Pic-A-Watt® element
- Multiple wattage options
- Patented Smart Limit Protection®
- Whisper quiet squirrel cage blower
- Timer & Summer Fan Only Modes
- Display Lock Feature: for high traffic areas
- Bedroom "Environment" Feature: turns off the display when not in use
- Available in (4) new designer finishes
- 5-Year limited warranty

## The PX **eco2s** Series Wall Heater

King redefines comfort with the energy saving smart series ECO2S Wall heater. Combining a sleek and modern design with unparalleled performance, energy efficiency and user control. The ECO2S controller ensures consistent comfort by minimizing temperature swings. In a cold room it utilizes full power to heat the room quickly. Once the desired temperature is achieved, the heater automatically reduces the wattage to maintain the room temperature and save energy. With the ECO2S Remote Temperature Sensor, your ECO2S heater knows exactly where the room's cold spot is and works smarter to keep the entire room comfortable. Just place it on a wall or shelf and get the right temperature, right where you want it. Includes both summer fan only and timer mode options, as well as a remote control for simple operation. In addition, King's exclusive Pic-A-Watt selectable wattage element allows customers to select from a range of wattage options, tailoring the heater to a room's specific heating requirements. It's as easy as unplugging a wire to select the maximum wattage during installation. Now That's Smart!

### Meet the ECO2S Temperature Sensor



Balanced Heat  
Throughout the Space



Comfort, Right  
Where You Want It



Remote  
Temperature Sensing

**"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	DESIGNER COLORS AVAILABLE
120V	PX1215-ECO-WD-R	120	White Dove	750•1000•1250•1500	6.25 - 12.5	12.5	
	PX1215-ECO-AD-R	120	Almondine	750•1000•1250•1500	6.25 - 12.5	12.5	
	PX1215-ECO-SN-R	120	Satin Nickel	750•1000•1250•1500	6.25 - 12.5	12.5	
	PX1215-ECO-OB-R	120	Oiled Bronze	750•1000•1250•1500	6.25 - 12.5	12.5	
208V	PX2017-ECO-WD-R	208	White Dove	750•1250•1500•1000 • 1750	3.6 - 8.4	12.5	
	PX2017-ECO-AD-R	208	Almondine	750•1250•1500•1000 • 1750	3.6 - 8.4	12.5	
	PX2017-ECO-SN-R	208	Satin Nickel	750•1250•1500•1000 • 1750	3.6 - 8.4	12.5	
	PX2017-ECO-OB-R	208	Oiled Bronze	750•1250•1500•1000 • 1750	3.6 - 8.4	12.5	
240V	PX2417-ECO-WD-R	240/208*	White Dove	750•1250•1500•1000 • 1750	3.1 - 7.3	12.5	
	PX2417-ECO-AD-R	240/208*	Almondine	750•1250•1500•1000 • 1750	3.1 - 7.3	12.5	
	PX2417-ECO-SN-R	240/208*	Satin Nickel	750•1250•1500•1000 • 1750	3.1 - 7.3	12.5	
	PX2417-ECO-OB-R	240/208*	Oiled Bronze	750•1250•1500•1000 • 1750	3.1 - 7.3	12.5	

(-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.

Oiled Bronze

# Electronic Wall Heater PX 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 PXG-ECO grill model of proper color.

**STEP 1:** Order Heatbox Interior and Recessed Wall Can

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
PX1215-ECO-HRC	32692	PX ECO, 120V 1500W, Heatbox Interior & Recessed Wall Can	10.4
PX2017-ECO-HRC	32693	PX ECO, 208V 1750W, Heatbox Interior & Recessed Wall Can	10.4
PX2417-ECO-HRC	32694	PX ECO, 240V 1750W, Heatbox Interior & Recessed Wall Can	10.4

**STEP 2:** Order Grill

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
PXG-ECO-WD	17242	PX ECO, Grill, White Dove Color, Includes Remote & Remote Holder	2.1
PXG-ECO-AD	17243	PX ECO, Grill, Almondine Color, Includes Remote & Remote Holder	2.1
PXG-ECO-SN	17241	PX ECO, Grill, Satin Nickel Color, Includes Remote & Remote Holder	2.1
PXG-ECO-OB	17240	PX ECO, Grill, Oiled Bronze Color, Includes Remote & Remote Holder	2.1

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

## Accessories

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
PXSMF-WD	32695	PX ECO, Surface Mount Frame, White Dove Color	2.4
PXSMF-AD	32696	PX ECO, Surface Mount Frame, Almondine Color	2.4
PXSMF-SN	32697	PX ECO, Surface Mount Frame, Satin Nickel Color	2.4
PXSMF-OB	32698	PX ECO, Surface Mount Frame, Oiled bronze Color	2.4
PX-RP	32699	PX ECO, Rough-In Plate for New Construction, (10 sets per Box).	6.0
PXIC	32704	PX ECO, Wall Can	3.0
ECO2S-REMOTE	33489	PX ECO Replacement Infrared Remote Control	0.1
ECO2S-REMOTE-BRACKET	33490	PX ECO Replacement Infrared Remote Control Wall Mount Bracket	0.2
ECO2S-TEMP-SENSOR	33491	PX ECO Remote Temperature Sensor	0.2
ECO2S-5V-PWRSPLY	33167	PX ECO 5V DC WALL ADAPTER, Optional Accessory	0.4

-All A'la Carte orders come in Kraft box packaging

## Engineering Specifications

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

**Ratings:** Heaters shall be available in wattages of 750 to 1,750 at 120 or 750-1750 at 208, or 240 Volts.

**ECO2S Electronic Control:** Up, Down temperature mode. Automatic 2-Stage heating (High & ECO Modes). Start/Stop. Fan Only and Timer (1-9hours) Modes. Standard on all heaters. The control voltage is equal to the line voltage.

**ECO2S Remote Temperature Sensor:** Wireless remote temperature sensing for balanced heating at the coldest spot in the room. 2.4G wireless protocol. Includes wall mounting bracket.

**Auto Memory Feature:** Returns Unit To Last Settings After Power Outage.  
**Blower and Motor:** A whisper quiet tangential blower, delivering 75 CFM, shall be driven by a shaded pole, permanently lubricated, C-frame type motor with impedance protection and sealed bearings. Motors shall be the same voltage as the heater.

**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

five (5) 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 acceptable.

**Thermal Overload:** Heaters shall be equipped with King's patented thermal overload Smart Limit Protection®, which disconnects the 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. Automatic reset of thermal overloads, which allow the element to continue to cycle under abnormal conditions, will not be accepted.

**Grill:** The grill shall be a louvered, one-piece curved front design with rounded edges on all four sides, with duct flange outlet to achieve maximum heat transfer. The grill shall be epoxy powder-coated in white dove, almondine, satin nickel or oiled bronze.

**Wall Can:** The wall can shall be 20 gauge electro-galvanized steel and shall contain a minimum of three (3) knockouts. The wall can shall have a factory installed, insulated and stranded copper ground-wire. Minimum 4" clearance to floors and 6" sidewalls. Zero clearance to combustibles in the wall.

**Approvals:** cULus (E41422)

## Dimensional Data

