7-Day Programmable Wall Heater PX ECO2S Pro Series

king

Pic-A-Watt
Selectable Wattage Element

Eco Pro Controller

Model Code:

PX	20	17	-ECO2S	-PRO	-WD
A	B	C	D	E	F

A: Series
B: 12 - 120V 20 - 208V 24 - 240V
C: Watts 15-(750-1500W)
17-(750-1750W)
D: ECO2S 2-Stage Electronic Control
E: ECO PRO Controller: 7-Day Programmable Thermostat + Remote Temp Sensor
F: White Dove

eco2S PRO CONTROL

MADE IN USA
With U.S. & Global Materials

SMART SLP LIMIT PROTECTION

c UL us LISTED

- Smart ECO2S design
- 2-Stage heating
- 7-Day programmable schedule
- Eco Pro Controller remote thermostat w/ temperature sensor
- Integrated BMS Lockout Circuit
- 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
- Compatible with optional wired or wireless RF window/door /occupancy sensors
- Solid riveted construction for consistent, long-term durability
- 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 Pro Series Electronic 2-Stage Smart Wall Heater w/ 7-Day Programmable RF Wireless Thermostat.

King's latest innovation, the PX ECO2S PRO Smart Wall Heater, delivers next-level comfort control with the powerful ECO PRO Remote Thermostat, featuring a 7-day programmable heating schedule that puts personalized comfort right at your fingertips. This advanced scheduling function allows users to set different heating profiles for each day of the week, aligning comfort with daily routines while optimizing energy efficiency. At the core of the system is the original ECO2S electronic controller, which ensures consistent warmth by minimizing temperature swings. During colder periods, it delivers full power to heat the room quickly, then automatically reduces wattage to maintain the set temperature while saving energy. The ECO PRO Remote Thermostat, equipped with an integrated temperature sensor, can be placed anywhere in the room to eliminate cold spots and ensure precise temperature control exactly where it's needed. Additional smart features include summer fan-only and timer modes, remote temperature adjustments, and King's exclusive Pic-A-Watt heating element, allowing installers to easily select the ideal wattage during setup. An integrated BMS lockout circuit enables seamless integration with Building Management Systems, preventing the heater from operating during cooling cycles. The PX ECO2S PRO is also compatible with optional wired or wireless RF window/door and occupancy sensors, automatically setting back temperatures when windows are open or when the room is unoccupied. With its intuitive programming, energy-saving design, and advanced sensing capabilities, the PX ECO2S PRO redefines smart electric heating with comfort that adapts to your life.

Meet the ECO PRO CONTROLLER: 7-Day Programmable Thermostat with Remote Tempature Sensing

Eco Pro Controller

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7-Day Programmable Heating Schedule

Balanced Heat Throughout the Space

Comfort, Right Where You Want It

Remote Temperature Sensing

Pic-A-Watt Selectable Wattage Element® 7-Day Programmable Wall Heater PX ECO2S Pro Series

"Complete" Stock Models

For other color grill options replace -W suffix with -SN for Satin Nickel, -AD for Almondine, -OB for Oiled Bronze Grill

BASE MODEL	UPC	PRO CONTROLLER	VOLTS	COLOR	WATTS	AMPS	SHIP WEIGHT lbs
PX1215-ECO2S-PRO-WD	70411	Included	120	White Dove	750•1000•1250•1500	6.25 - 12.5	12.5
PX2017-ECO2S-PRO-WD	70412	Included	208	White Dove	750•1000•1250•1500 • 1750	3.6 - 8.4	12.5
PX2417-ECO2S-PRO-WD	70413	Included	240/208*	White Dove	750•1000•1250•1500• 1750	3.1 - 7.3	12.5

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

DESIGNER COLORS AVAILABLE

White Dove | Satin Nickel | Almondine | Oiled Bronze

Factory Installed Options

ADD SUFFIX	DESCRIPTION
-WD	White Dove Color
-SN	Satin Nickel Color
-AD	Almodine Color
-OB	Oiled Bronze Color

NOTE: Not all configurations listed above are A stock code items. Refer to price book for the Stock code

Optional Control Accessories

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
ECO-PRO-RF-PIR-SENSOR	70422	Optional, RF Battery Powered PIR Occupancy Sensor for ECO Models	0.2
ECO-PRO-RF-WINDOW-SENSOR	70423	Optional, RF Battery Powered PIR Window or Door Sensor for ECO Models	0.2
ECO-PRO-CONTROLLER	70421	Replacement Pro Controller - 7-Day Programmable Thermostat/Remote Sensor/Remote	0.2

Accessories

MODEL	UPC	DESCRIPTION	SHIP WEIGHT lbs
PX-RP	32699	PX ECO2S, Rough-In Plate for New Construction, (10 sets per Box).	6.0
PXSMF-WD	32695	PX ECO2S, Surface Mount Frame, White Dove Color	2.4
PXSMF-AD	32696	PX ECO2S, Surface Mount Frame, Almondine Color	2.4
PXSMF-SN	32697	PX ECO2S, Surface Mount Frame, Satin Nickel Color	2.4
PXSMF-OB	32698	PX ECO2S, Surface Mount Frame, Oiled bronze Color	2.4
PXIC	32704	PX ECO2S, Wall Can	3.0

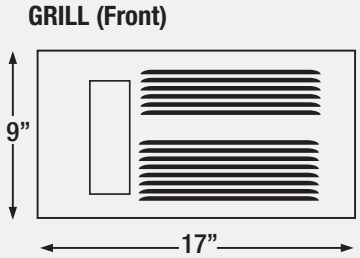
Expand Your Control with Optional Wireless Sensors

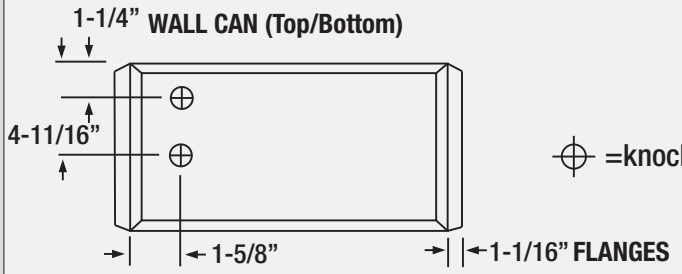
For Automatic Temperature Setback

7-Day Programmable Wall Heater PX ECO2S Pro Series

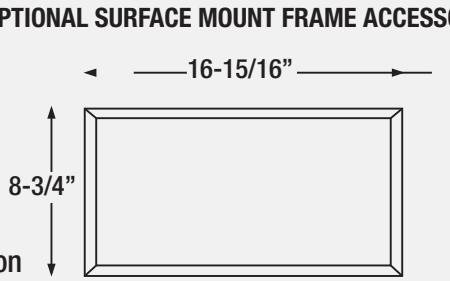
Pic-A-Watt Selectable Wattage Element

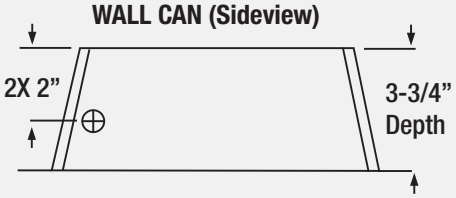
Dimensional Data

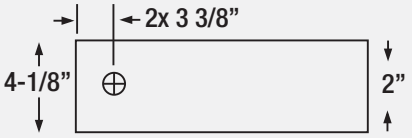


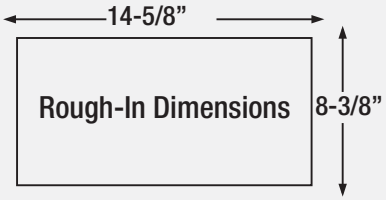


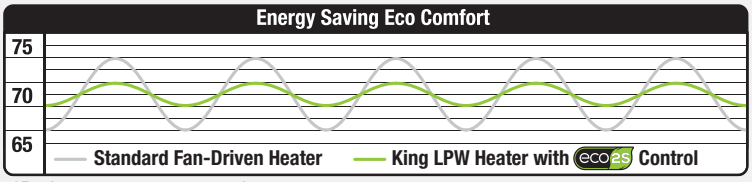
=knockout location











*Reduces temperature swings

Engineering Specifications

Contractor shall supply and install PX ECO2S Pro 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 PRO Remote 7-Day Thermostat: RF 2.4G RF Wireless Protocol. 7-day programmable touch sensitive thermostats with an integrated temperature sensor. Enables custom 7-day programmable heating schedules, functions as both a remote temperature sensor and a handheld remote control for heater operation.

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. Components are assembled using solid mechanical rivets rather than spot welding, eliminating heat-affected zones and hidden weld defects. Riveted joints are fully visible and inspectable, providing consistent structural integrity under vibration and thermal cycling.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)