

INSTALLATION INSTRUCTIONS



KP1215-ECO 2-Stage Portable Baseboard Heater

KP1215-ECO 2-Stage Portable Baseboard Heater



Figure 1-1



DANGER

ELECTRIC SHOCK OR FIRE HAZARD

READ ALL WIRE SIZING, VOLTAGE REQUIREMENTS AND SAFETY DATA TO
AVOID PROPERTY DAMAGE AND PERSONAL INJURY

The **KP1215-ECO** 2-Stage portable baseboard heater is to be operated at **120 volts**. Connecting the heater to an improper voltage or failure to follow the procedures as outlined in this manual can result in damage to the heater and void the warranty. This heater is provided with a factory installed 2-stage thermostat. Disconnect power to the heater before attempting to install or service this unit.

⚠ WARNING ⚠

READ CAREFULLY - These instructions are written to help you prevent difficulties that might arise during usage of this portable heater. Studying the instructions first may save you considerable time and money later. Observe the following instructions. Save these instructions for future use.

IMPORTANT INSTRUCTIONS: SAVE THESE INSTRUCTIONS

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

- ⚠ WARNING** Read all instructions before wiring or using this heater.
- ⚠ WARNING** Use this heater only as described in this manual. Any other use not recommended by the manufacturer and may cause fire, electric shock, or injury to person. Do not leave this heater in unoccupied areas or with unsupervised children.
- ⚠ WARNING** Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or re-locatable power tap (outlet/power strip). Extension cords can melt and cause a fire.
- ⚠ WARNING** Connect to properly grounded outlets only.
- ⚠ WARNING** Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Discard heater or return to an authorized service facility for examination, and/or repair.
- ⚠ WARNING** Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic areas where it will not be tripped over. Never coil cord up when operating, doing this generates enough heat to melt the cord.
- ⚠ WARNING** Always unplug heater when not in use.
- ⚠ WARNING** To disconnect heater, turn controls to off, then remove plug from outlet
- ⚠ WARNING** A heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Use handle when moving this heater. Keep combustible materials such as furniture, pillows, bedding, paper, clothes, and curtains away from heater.
- ⚠ WARNING** To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where baseboard intake openings may become blocked.
- ⚠ WARNING** Do not insert or allow foreign objects to enter any inlet or exhaust opening as this may cause an electric shock or fire, or damage the heater.
- ⚠ WARNING** This heater is not intended for use in wet areas such as bathrooms, laundry areas and similar indoor locations. Never locate heater where it may fall into a bathtub or other water container.
- ⚠ WARNING** Never run more than one heater on a receptacle or circuit.
- ⚠ WARNING** Clean heater surfaces with mild soap and water. Strong cleaners will ruin finish.

INSTALLATION & OPERATION



KP1215-ECO Portable Baseboard Heater

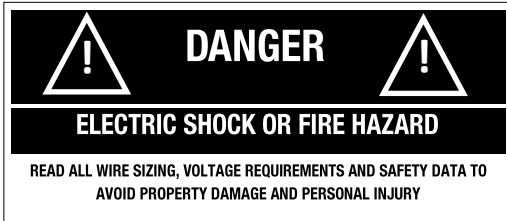


Figure 2-1



The **KP1215-ECO** portable baseboard heater is equipped with a 2-stage ECO stat. This heater will only use the required wattage to maintain the desired ambient temperature. (750 watts/low or 1500 watts/high). The green wattage indicator light shows when heat is on low. When heater is on high, both green and amber light will be illuminated. This heater is also equipped with a power indicator light, (which lets you know when heater is on and operating) and carrying handle for portable usage.

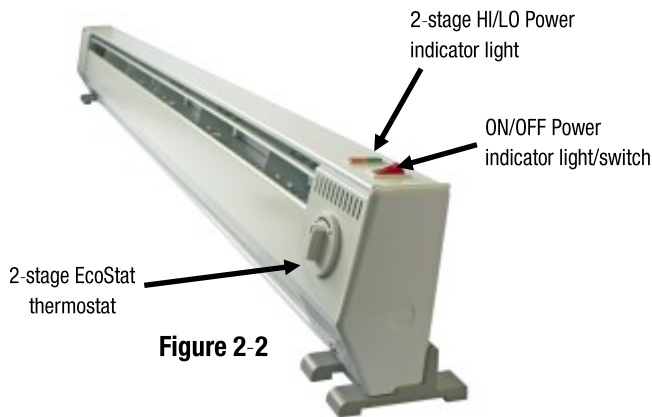


Figure 2-2

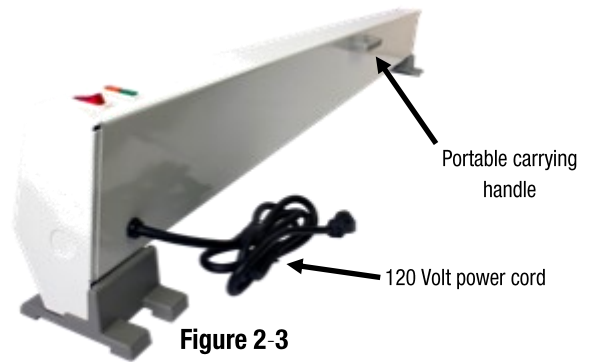


Figure 2-3

Operation:

1. Set heater on a floor that is flat and level. Both feet need to lay flat on the floor for proper safe operation.
2. Locate heater near the coldest part of the room like a window, No cords or other items should touch heaters surface.
3. A protective coating on the element will create some visible smoke for a few minutes, this is normal, pre-running the heater for 30 minutes outside in a covered dry protected area may be a better option if smoke alarms could become a nuisance or automatically call the fire department.
4. Push ON/Off switch to ON position. Note: The pilot light in the switch will turn on.
5. Rotate EcoStat thermostat knob in the clockwise direction until it stops.
6. Allow the heater to operate normally until both the green and amber pilot lights go out. The EcoStat thermostat will automatically turn on low or high heat as needed to maintain the desired room temperature.

Note: Due to the automatic feature of the EcoStat, the heater will operate on the low heat output setting unless there is a need for more heat (such as, when a door is opened letting cold air into the room). If additional heat is needed, the EcoStat will turn on the high heat output. On low heat output, the green pilot light will be on. When the EcoStat energizes high heat output, the Amber pilot light will also come on. This feature saves you money by using only the amount of electricity needed to maintain the desired comfort level.

7. Feel plug and receptacle after 15-30 minutes of operation and continue to monitor for any hot to the touch over heating.
8. Do not coil the cord up when running heater, lay cord out flat and do not cover cord with anything including throw rugs. Covering or coiling the cord increases the heat of the cord and will melt the cord and possibly start a fire.
9. A mechanical tip over switch is part of the safe operation of this heater and will turn off the heater if it is tipped. Do not by pass this safety device in any manor.
10. A linear high limit senses an over heat condition if the heater and can be adjusted to a comfort level. Temperature range is from 40 F—90F degrees.
11. 2-stage thermostat is mounted in the junction box of this heater and can be adjusted to a comfort level. Temperature range is from 40F—90F degrees.
12. There are no user serviceable parts in this heater

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Figure 3-1 KP1215-ECO 2-Stage Portable Baseboard Heater



OPERATING INSTRUCTIONS

WARNING High Temperatures, keep electrical cord, drapes, and other furnishings away from heater. To reduce risk of fire do not store or use gasoline or any other flammable vapors and liquids in the vicinity of this heater.

Figure 3-2

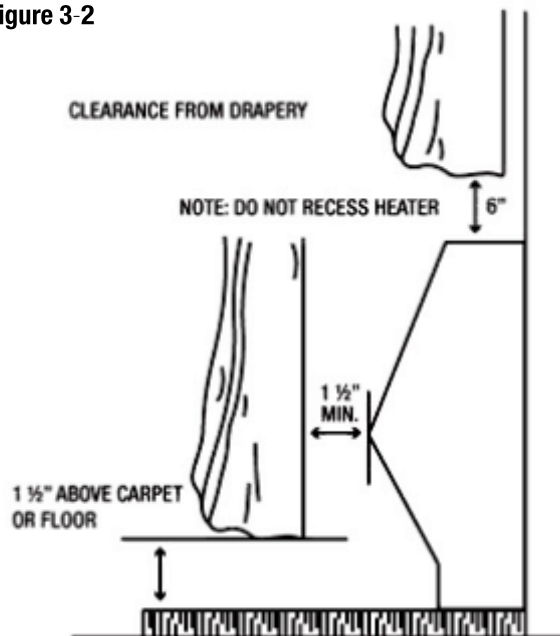
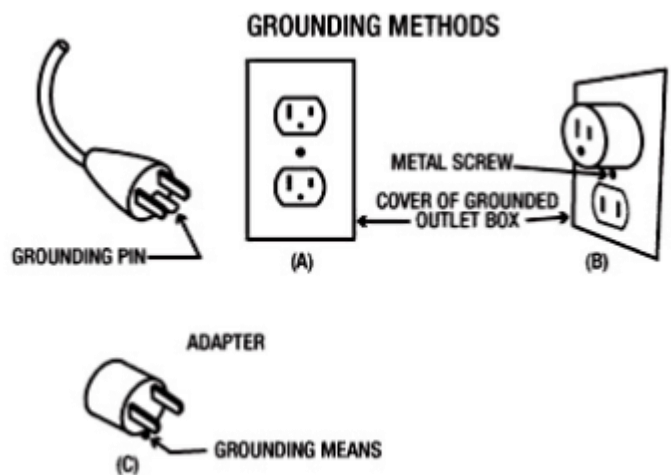


Figure 3-3



Clearance from objects:

Heater should be placed in an open area and on a flat and level floor. Inlet and outlet of heater should never be block or modified. Unobstructed airflow is important for safe operation. Nothing should ever be placed on top of the heater. Clearances from drapes is shown in the figure above. 1-1/2 inches from front and 6 inches above the heater. Any other items should stay at least 12 inches from front of heaters. Back of heater can be against a wall. Zero clearance from sides.

Grounded Plug:

The cord provided with this heater has a grounding pin on it for your safety and is to be used on a 3 pin grounded receptacle (Figure A). If you have a receptacle like in (Figure B) without a ground, and adapter like the one in (Figure C) will need to be installed to properly ground the heater and the cord.

Annual Maintenance:

The user can perform cleaning, no lubrication is required since there are no moving parts, All other service is to be done by a qualified service personnel. Before servicing turn thermostat control to OFF, then remove plug from outlet. Wait until the heater is cool to perform any cleaning. Heater element should be cleaned once a year with a vacuum and dry paint brush to remove dust and lint that will accumulate in the heater. This will also reduce the Black soot streaking that can happen over time.

MAINTENANCE & TROUBLESHOOTING

⚠ WARNING Serious injury or death could result from electric shock. Make sure electrical power cord is unplugged from power supply. Allow heater to cool before cleaning to prevent a possible burn. Use care when cleaning element fins to avoid damaging fins. Note: Also that fins are sharp and may cause cuts, so avoid contact. Your heater will give you years of service and comfort with only minimum care. To assure efficient operation follow the simple instructions below.

1. The user can perform some basic cleaning of the heater. All other servicing is to be done by qualified service personnel.
2. Because of the convection heating principle which depends upon a circulation of air through the finned element. Dust will collect between the fins. The heater should be cleaned regularly for maximum efficiency.
3. To clean heating element fins, first remove both wiring compartment covers and the front cover. Using a vacuum cleaner or compressed air, remove the dust and lint from the aluminum heating element fins while being careful not to damage the fins.
4. The painted heater cabinet may be cleaned using a slightly damp cloth. Do not use abrasive cleaners or waxes, as these may damage the finish or leave a residue that will discolor.
5. Replace front cover (making sure it is latched in place at each element support bracket and at each end) and two wiring compartment covers (using the two screws provided), restore power and check heater for operation.

Painting:

If it becomes necessary to repaint heater, use only a quality enamel paint suitable for metal surfaces following the instructions provided with the paint. Repaint only the exterior of the cabinet.

Symptom	Problem	Solution
Breaker Trips.	1. Short circuit.	1. Find source of short. Trace heater circuit and verify the heater is wired properly.
	2. Overloaded circuit.	2. Too many items plugged into one receptacle.
Heater not working.	1. No power.	1. Plug heater into a 15/20 amp 120 V outlet.
	2. Loose connections.	2. Tighten wire connections behind wire compartments.
	3. Defective limit.	3. By-pass the limit to test. If heater works, replace the limit.
Heater Smokes.	1. Oil on element.	1. It is normal for the element to burn off some light finishing oil used in the manufacturing process when first energized. Open windows and allow room to vent until it stops. Usually about 15 minutes.
	2. Needs cleaning.	2. Remove any dust or dirt accumulation.
Room temperature does not match thermostat setting.	1. Thermostat affected by another heat source.	1. Sunlight or another heat source can affect the thermostat. Move the thermostat to another location or remove the heat source.
	2. Improper calibration.	2. Remove cover and adjust calibration screw.
Room temperature swings from too hot to too cold.	1. Defective or low quality thermostat.	1. Replace with a better quality thermostat. Anticipated thermostats are fairly accurate. An electronic thermostat is the best.