

Elite 52K

Pest Control Electric Heat System

“For Professional use only”

Operation Manual



EPA EST. No. 086342-AZ-002

K & J Products, LLC
877-565-7377

Elite 52K

Safety Page

Read this owner's manual carefully before using your Elite 52K

Caution: Always use a licensed electrician when connecting your 52K

Commercial buildings can have more than one ground. Have an electrician inspect and advise on setting up the 52K in commercial buildings. Never connect the fan or heater elements to different grounds.

Never use the Elite 52K in conditions exceeding 140F degrees.

Never set the Thermostat control to higher than 132F degrees.

Never operate the Elite 52K unless all panels and guards are in place and properly secured.

Never drop or bounce the Elite 52K. Internal damage may occur.

Never clean or service the Elite 52K while plugged into a live electrical power source.

Never operate the Elite 52K in standing water.

Never operate the Elite 52K with loose cord connection or damaged power cord(s).

Never connect power from different buildings to the Elite 52K

Always check building circuits for proper grounding before plugging in your Elite 52K.

Always wear rubber gloves and boots when operating the Elite 52K in damp conditions.

Always keep the air inlet & outlet clear of any obstructions and loose material.

Warning: Ignoring these safety precautions may result in personal injury.

K & J Representatives, LLC 1 Year Limited Warranty

“For Professional use only”

Warrantor: K & J Representatives, LLC, 6677 Inter Cal Way, Prescott, AZ 86301. Telephone: 877-565-7377, Fax: 928-277-8123

Who is Covered: This warranty extends to the original end-user and may not be assigned or transferred.

Warranty Period: The term of the warranty coverage from the date of purchase is:

1 years on the housing

1 year on parts and labor

Warranty Coverage: K & J Representatives, LLC warrants that, for one (1) year, the Heater manufactured by K & J Representatives, LLC will operate free from defects in material or workmanship, or K & J Representatives, LLC, at its option, will repair or replace the defective part(s), free of charge.

K & J Representatives, LLC further warrants that for a period of one (1) years, the housing of the Heater manufactured by K & J Representatives, LLC will be free from defects in material or workmanship, K & J Representatives, LLC will repair or replace the defective part(s), providing that all shipping costs for the defective part(s) shall be borne by the end-user.

This warranty **does not** cover any defect, malfunction, etc... resulting from improper operation, lack of maintenance, freezing, corrosion from chemicals, condensation, tampering, modification, unauthorized or improper repair, accident, acts of nature, shipping after you receive the Heater, or normal wear to items such as power cords, plug adaptors or other items which require replacement resulting from normal usage and may require replacement prior to 1 year based on usage.

End-User Responsibilities: The customer is expected to inspect all items that have been received and make sure that they are in proper working order within 3 days of receiving their equipment. If items are damaged from shipping the customer is responsible for informing K and J within those 3 days to have the damaged items replaced. K and J will provide the labels for the return of that item. If the unit needs to be sent in for repair the end user is responsible for shipping the unit back to us to determine why the unit is not working. If the unit is under the warranty K and J will repair the items and send them back to the customer no charge. If the repair falls out of the warranty the end user is responsible for the charges that are incurred in repairing the units and the shipping cost back.

Servicing of Unit:

Warranty service must be performed by a firm or Individual authorized by K & J Representatives, LLC. The end-user must contact K & J Representatives, LLC at the above location. K & J Representatives, LLC will arrange for covered warranty service. All covered warranty service will be arranged during normal business hours.

Limitations and Exclusions: If any part of the Heater manufactured by K & J Representatives, LLC is repaired or replaced as covered warranty, the new part shall be warranted only for the remainder of the original warranty period of the Heater.

Upon expiration of the written warranty applicable to the K & J Representatives, LLC Heater or any part thereof, all other warranties implied by law, including merchantability and fitness for a particular purpose, shall also expire. All warranties made by K & J Representatives, LLC are set forth herein, and no claim may be made against K & J Representatives, LLC on any oral warranty. In no event shall K & J Representatives, LLC, in connection with the sale, operation, repair or replacement of any K & J Representatives, LLC device or part thereof be liable under any legal theory for any special, indirect or consequential damages including without limitation water damage, lost profits, delay, or loss of use or damage to any real or personal property.

Legal Rights: This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

Elite 52K

Operating Your Elite 52K

Unpack & inspect your Elite 52K for damage – Do not use if damaged. Check all heating elements to make sure everything works and nothing was damaged from shipping. If damaged from shipping do not use and contact us immediately at 877-565-7377.

Your Elite 52K comes with the all in one dual element heater and fan. There are two (2) 240 volt plug-ins for the heat elements located one per side on the Elite 52K. One (1) heating element is 24 amps at 240 volt and you need a minimum circuit of 30 amps at 240 volt to operate this heating element. #10 gauge cable can be used up to one Seventy-five (75) feet. The other plug-in is a heating element that is 40 amps at 240 volt and you need a minimum circuit of 50 amps at 240 volt to operate this heating element. #8 gauge cable can be used for this heating element up to Seventy-five (75) feet.

Running longer power cords will require larger gauge cable.

Temperature Controller

Your Elite 52K comes with two state of the art digital temperature controllers. They are built into the unit on each end caps of the Elite 52K and will allow you to adjust the temperature controller of either the 30 or 50 amp sides. The controller is preset to 132F and requires no need for adjustment to use your Elite 52K unless you want to change the temperature settings.

Setup

The Elite 52k is mostly a plug and play devise. There are 2 twist-lock connections to the heater one that runs off of the 30 amp dryer connection on a home and a 50 amp Range connection. Both of the twist-lock connections that attach to the heater will be included in the box, or they will be already attached to the power cord if purchased separately.

Connect the 50 and/or 30 amp sides to the heater. Once connected to power the elements press the Green rocker switch to power on the unit. Each red switch corresponds to each side of the heater. The unit is preset to 132°F.

The heater can be adjusted by pressing the set button on the bottom right of the Temperature Controller and then using the up and down arrows on the left hand side of the same controller.

The Elite 52k can heat up to 800sq ft. of a well-insulated area in conjunction with the proper airflow. The rule of thumb in proper heat treatments is 1 fan per 75sq ft. This allows for adequate transference of heat to materials and to reach all of the area you are intending to treat. The fans should be setup in a way that allows them to directly hit all surfaces of the treatment area.

Best Practices for Heating rooms

1. Always try to seal the room(s) from escaping heat. Especially HVAC vents, lights, bathroom exhaust fans, bottoms of doors, wall air-conditioners, etc... Cover windows pane with blankets or equivalent to minimize loss of energy from cold windows.
2. Remove items that you would not leave in your car on a hot sunny summer day. Candles, lighters, many foods, candies, etc...
3. Unplug all electrical items and do not place electrical items directly in front of the heater. Electrical items are rated for higher temperatures than you are heating, just avoid the direct heat coming out of the heater.
4. It is best to bag clothes, sheets, etc...and run in the clothes dryer for 20 minutes on high. Never leave clothes laying on the floor or other surfaces or they will act as an insulator and it will be difficult to heat under them sufficiently.
5. Open all drawers and separate all items so hot air can get everywhere easily.
6. Stand or block box spring and mattress' so hot air can contact all sides.
7. Place all fans blowing in the same direction along the walls in the area you are heating to circulate the hot air into every nook and cranny. If possible place at least one fan per wall. Turn on fans to ensure air movement is sufficient. Add more fans if it does not feel like a whirl wind (tornado type effect).
8. Place heater(s) so that the air is being immediately swept up by the fans and the hot air coming directly out of the heater is not directly hitting any furniture or building materials before being blown about by the fans.
9. Turn on heaters and make sure all heater light switches that have power are on. Heater switches will not turn on if you do not have power connected to the respective heater switch. This is ok if you are doing this on purpose because you don't have or don't need the full power of the heater.
10. Always check for fire sprinkler's installed in a building. Keep heat level at fire sprinkler head a minimum of 30F below the trigger temperature of the fire sprinkler.
11. Walls and ceilings made of block or concrete require more heat because they are more conductive of energy than drywall. This means 1 heater will heat less space when you have walls and/or ceilings with block or concrete. 50% more power is required as a general rule for these rooms. All buildings are not created equal and more conductive materials take more energy to heat.