

# Energydry Elite 52K

Pest Control Electric Heat System

**“For Professional use only”**

Operations Manual



EPA EST. No. 086342-AZ-001

DRI Heat

Ph: 877-432-8601

Fax: 215-586-2405

# Energydry Elite 52K

## Safety Page

Read this owner's manual carefully before using your Eliminator

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

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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.

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

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Never set the Thermostat control to higher than 140F degrees.

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Always check building circuits for proper grounding before plugging in your Eliminator.

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

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

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Never operate the Elite 52K in standing water.

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Always wear rubber gloves and boots when operating the Eliminator in damp conditions.

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

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

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Never operate the Elite 52K without the fan on.

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

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Never connect power from different buildings to the Eliminator.

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

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## DRI Heat

Ph: 877-432-8601

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### **K & J Representatives, LLC 2 Year Limited Warranty**

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**“For Professional use only”**

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**Warrantor:** K & J Representatives, LLC, 6550 E. 6<sup>th</sup> St., Ste C, Prescott Valley, AZ 86314.  
Telephone: 602-723-2534, 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 Eliminator 52K 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 two (2) years, the housing of the Eliminator 52K 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 labor and 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 Eliminator 52K, or normal wear to items such as power cords, plug adaptors or other items which require replacement resulting from normal usage.

**End-User Responsibilities:** 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 Elite 52K 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 Elite 52K.

Upon expiration of the written warranty applicable to the K & J Representatives, LLC Eliminator 52K 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.

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

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# Energydry Elite 52K

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## 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 602-723-2534.**

Your Elite 52K has one (1) cord for the fan that operates at 1.8 amps using only 120 volt. This is wrapped around the unit. 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 fifty (50). 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 fifty (50) feet.  
**Running longer power cords will require larger gauge cable.**

You must have the cord that controls the fan plugged in or the unit will not operate. None of the heating elements will turn on if the fan is not on. If you block the inlet or the outlet of the unit, the heating elements will shut-off or will not turn on. This safety feature insures that proper minimum airflow must be maintained so the heating elements do not overheat.

**Elite 52K**



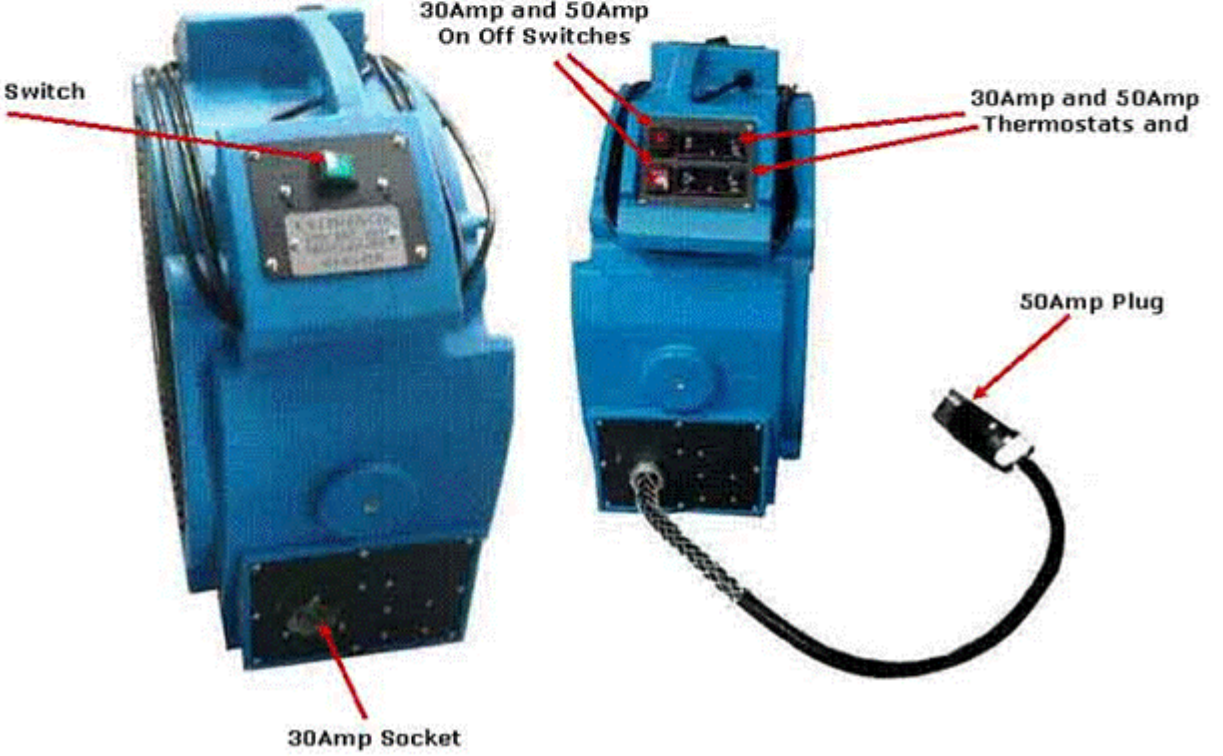
On Off Fan Switch

30Amp and 50Amp  
On Off Switches

30Amp and 50Amp  
Thermostats and

50Amp Plug

30Amp Socket



## Temperature Controller

### Temperature Controllers

Your Elite 52K comes with a state of the art digital temperature controllers built into the unit. There are 3 temperature controller. One 50amp and one 30 amp. The view panel is on the top of the Elite 52K and will allow you to adjust the temperature controller. **The controllers are preset to 132F and requires no need for adjustment to use your Elite 52K unless you want to change the temperature settings.**

To change the temperature setting; press the set button and then use the up and down arrows to set your desired

temperature. The controller is set so you cannot turn the high temperature setting above 140F.

### Elite 52K Amps/Watts/Voltage

Description	Amps	Watts	Voltage
Elite 52K	24 Amp 240VAC (30 Amp) 40 Amp 240VAC (50 Amp) 1.8 Amps 120VAC Air Mover	15,360/Both Circuits	240VAC

### 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. Use no less than 1 heater for every 700sf in a normal room of ceiling height of 9' or less for maximum performance. You can never have too much equipment, only not enough.
10. 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.
11. 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.
12. 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.