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KING LPWV2715-CT24

KING LPWV2715-CT24 Vandal Resistant Heater Instruction Manual

Model: LPWV2715-CT24

1. PRODUCT OVERVIEW

The KING LPWV2715-CT24 is a robust, vandal-resistant electric heater designed for high-traffic and public areas such as detention facilities, public restrooms, and rest areas. Its heavy-duty construction, including a 3/16-inch solid steel frame and grill, provides exceptional durability against impact and abuse. Tamper-resistant screws secure the grill, and controls are recessed to prevent unauthorized access. This unit offers moderate wattage and high airflow to effectively heat entryways and hallways, preventing drafts from affecting the building's core temperature.



Image 1: Front view of the KING LPWV2715-CT24 Vandal Resistant Heater, showcasing its robust metal casing and grill.

Key Features:

- **Impact/Vandal Resistant:** Constructed with a heavy grill and 3/16-inch solid steel frame.
- **Pic-A-Watt Elements:** Allows for multiple wattage options to suit specific heating requirements.
- **Tamper Resistant 3 Position Switch:** Offers Fan, Heat, and Off settings, designed to prevent unauthorized adjustments.
- **Overheat Protection:** Integrated safety feature to prevent overheating.

2. SAFETY INFORMATION

Read all instructions carefully before installing or using this heater. Failure to follow these instructions may result in electric shock, fire, property damage, or personal injury.

- **Electrical Installation:** This heater operates on 277 Volts and requires hardwiring. Installation must be performed by a qualified electrician in accordance with all national and local electrical codes.
- **Grounding:** This heater must be properly grounded to reduce the risk of electric shock.
- **Location:** Do not install the heater in areas where gasoline, paint, or other flammable liquids are stored or used. Maintain proper clearances from combustible materials as specified in the installation section.
- **Overheat Protection:** The heater is equipped with a thermal cut-out to prevent overheating. If the heater shuts off due to overheating, allow it to cool down before attempting to restart. Investigate and correct the cause of overheating.
- **Do Not Cover:** Never cover the heater or block its air inlets/outlets. This can cause overheating and fire.
- **Maintenance:** Disconnect power before performing any maintenance or cleaning.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package:

- KING LPWV2715-CT24 Vandal Resistant Heater Unit
- Mounting Hardware (typically included)
- Instruction Manual (this document)

If any items are missing or damaged, contact your supplier immediately.

4. INSTALLATION

WARNING: Installation must be performed by a qualified electrician. Disconnect all power to the circuit at the main service panel before attempting any wiring.

4.1 Mounting Location

- This heater is designed for indoor, wall-mount installation.
- Choose a location that allows for proper air circulation and maintains required clearances from

walls, ceilings, and floors. Refer to local codes for specific clearance requirements.

- Ensure the mounting surface is structurally sound to support the heater's weight (approximately 36 pounds).

4.2 Electrical Connection

- The LPWV2715-CT24 heater requires a dedicated 277 Volt, 60 Hz, single-phase circuit.
- The heater draws 5.4 Amps at 277V, providing 1500 Watts of heat. Ensure the circuit breaker and wiring are appropriately sized for this load.
- Connect the heater directly to the electrical supply using appropriate hardwiring methods and connectors, following the wiring diagram provided inside the heater's access panel.
- Ensure all connections are tight and secure.

5. OPERATION

Once properly installed and powered, the heater can be operated using its tamper-resistant 3-position switch.

5.1 Power Switch Settings

- **OFF:** The heater is completely off, and no heat or fan operation will occur.
- **FAN:** The fan operates continuously without engaging the heating elements. This can be used for air circulation.
- **HEAT:** The heating elements and fan operate to provide warmth. The heater will cycle on and off to maintain the desired temperature if connected to an external thermostat (not included).

5.2 Wattage Selection (Pic-A-Watt)

The LPWV series heaters feature Pic-A-Watt elements, allowing for field-adjustable wattage settings. Refer to the wiring diagram inside the heater for instructions on how to adjust the wattage to suit specific room requirements. This adjustment should only be performed by a qualified technician with power disconnected.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your heater. Always disconnect power at the circuit breaker before performing any maintenance.

- **Cleaning:** Periodically clean the exterior of the heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Air Inlets/Outlets:** Ensure that the air inlets and outlets are free from dust, lint, and other obstructions. Use a vacuum cleaner with a brush attachment to gently clean the grill and internal components if accessible.
- **Inspection:** Annually inspect the heater for any signs of damage, loose wiring, or unusual wear. If any issues are found, contact a qualified electrician for repair.

7. TROUBLESHOOTING

Before contacting customer support, review the following common issues and solutions:

Problem	Possible Cause	Solution
Heater does not turn on.	No power supply; Circuit breaker tripped; Loose wiring.	Check circuit breaker; Ensure power switch is in 'HEAT' or 'FAN' position; Consult a qualified electrician to check wiring.
Heater produces no heat, but fan runs.	Switch in 'FAN' position; Heating elements failed; Overheat protection activated.	Set switch to 'HEAT'; Allow heater to cool if overheat protection tripped; Contact a qualified electrician for element inspection.
Heater cycles on and off frequently.	Improper thermostat setting (if applicable); Restricted airflow; Overheat protection cycling.	Adjust thermostat setting; Clear any obstructions from air inlets/outlets; Ensure proper clearances.
Unusual noises or odors.	Loose components; Dust accumulation on elements; Motor issue.	Disconnect power immediately; Inspect for loose parts; Clean heater; Contact a qualified electrician for inspection.

If the problem persists after attempting these solutions, contact customer support or a qualified electrician.

8. SPECIFICATIONS

Specification	Detail
Brand	KING
Model Number	LPWV2715-CT24
Voltage	277 Volts
Amperage	5.4 Amps
Wattage	1500 Watts
Product Dimensions (D x W x H)	4"D x 13.75"W x 22.75"H
Item Weight	36 pounds
Mounting Type	Wall Mount
Fuel Type	Electric
Indoor/Outdoor Usage	Indoor
Special Feature	Overheat Protection

Specification	Detail
UPC	093319183731
ASIN	B0G3SWW2XK

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official KING website. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: KING Electrical Manufacturing

Website: www.king-electric.com (Example link, please verify official website)