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InSinkErator AS101K-8

InSinkErator AS101K-8 AquaSaver Commercial Disposal Control Panel User Manual

Model: AS101K-8

INTRODUCTION

This manual provides instructions for the installation, operation, maintenance, and troubleshooting of the InSinkErator AS101K-8 AquaSaver Commercial Disposal Control Panel. The AquaSaver system is designed to optimize water usage for InSinkErator commercial disposer systems by sensing motor load and regulating water flow during grinding and non-grinding operations. Proper use of this control panel can lead to significant water savings.

IMPORTANT SAFETY INFORMATION

WARNING:

- Always disconnect power before servicing or cleaning the unit.
- This control panel is designed for use only with InSinkErator commercial disposers.
- Installation and service must be performed by qualified personnel in accordance with all local and national electrical codes.
- Ensure proper grounding to prevent electrical shock.
- Do not operate the unit if any part is damaged or missing.

Refer to the warning labels on the product for specific safety instructions.



Figure 1: Front view of the InSinkErator AS101K-8 AquaSaver Control Panel, showing the warning labels and control buttons.

KEY FEATURES

- Solid state control circuit for reliable operation.
- NEMA 4 - stainless steel enclosure for durability and protection against environmental factors.
- Automatic reversing magnetic contactors for extended motor life.
- Includes two solenoids and two flow control valves for precise water management.
- 10-minute timed run option for specific operational needs.
- 24-volt operation for safety and efficiency.
- Programmable post-flush feature to ensure thorough cleaning.
- Automatic shut-off in case of power interruption for safety.
- Line disconnect switch located on the front panel for easy access and safety.

SETUP AND INSTALLATION

Installation of the InSinkErator AS101K-8 AquaSaver Control Panel should only be performed by a qualified electrician or service technician. Adhere to all local and national electrical and plumbing codes.

Mounting the Control Panel

1. Select a suitable location for mounting the NEMA 4 stainless steel enclosure, ensuring it is easily accessible for operation and maintenance, and protected from excessive physical impact.
2. Use appropriate fasteners to securely mount the panel to a sturdy surface. The panel dimensions are 7 x 10 x 15.75 inches and it weighs 25 pounds.

Electrical Connections

1. Ensure the main power supply to the disposer system is disconnected at the circuit breaker before making any electrical connections.

2. Connect the incoming 380/460V power supply to the designated terminals within the control panel.
3. Connect the control panel output to the InSinkErator commercial disposer motor.
4. Connect the 24-volt control wiring as per the wiring diagram (not included in this manual, refer to product packaging or manufacturer's website).
5. Ensure all connections are tight and secure, and proper grounding is established.

Water Connections

1. Install the two solenoids and two flow control valves into the water supply line feeding the disposer.
2. Connect the control wiring from the AquaSaver panel to the solenoids as per the wiring diagram.
3. Ensure all plumbing connections are leak-free.



Figure 2: Side view of the InSinkErator AS101K-8 AquaSaver Control Panel, highlighting the mounting brackets for installation.

OPERATING INSTRUCTIONS

Initial Power-Up

1. After installation is complete and all connections are verified, turn on the main power supply to the disposer system at the circuit breaker.
2. Engage the line disconnect switch on the front panel to power the control unit.

Normal Operation

- The AquaSaver system will automatically sense the load on the disposer motor.
- During grinding operations, the system will regulate the water flow to the disposer as needed.
- During non-grinding periods, water flow will be reduced or stopped to conserve water.

10-Minute Timed Run Option

The control panel includes a 10-minute timed run option for specific applications. Consult the detailed programming

guide (refer to product packaging or manufacturer's website) for instructions on activating and configuring this feature.

Programmable Post-Flush

The programmable post-flush feature ensures that the disposer and drain lines are thoroughly cleared after use. Refer to the detailed programming guide for instructions on setting the duration and activation of the post-flush cycle.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your AquaSaver control panel.

- **Monthly:** Inspect the exterior of the control panel for any signs of damage or corrosion. Clean the stainless steel enclosure with a mild, non-abrasive cleaner.
- **Quarterly:** With power disconnected, open the enclosure and visually inspect all electrical connections for tightness. Check for any signs of wear on wiring.
- **Annually:** Have a qualified technician inspect the solenoids and flow control valves for proper operation and calibrate if necessary.

CAUTION:

Always disconnect power to the unit before performing any internal maintenance or inspection.

TROUBLESHOOTING

This section provides solutions to common issues. For problems not listed here, contact InSinkErator customer support or a qualified service technician.

Problem	Possible Cause	Solution
Control panel has no power.	Main power supply off; Line disconnect switch off; Blown fuse/tripped breaker.	Check main power supply; Engage line disconnect switch; Check and reset circuit breaker or replace fuse.
Disposer not receiving water.	Water supply off; Solenoid valve malfunction; Flow control valve blockage.	Check water supply; Inspect and test solenoids; Check flow control valves for obstructions.
Disposer motor not starting.	Motor overload; Faulty contactor; Wiring issue.	Check disposer for jams and clear; Inspect automatic reversing magnetic contactors; Verify all electrical connections.
Excessive water usage.	AquaSaver sensor malfunction; Flow control valve issue; Incorrect programming.	Contact service technician to check sensor; Inspect flow control valves; Review programming settings.

SPECIFICATIONS

Feature	Detail
Model Number	AS101K-8
Input Voltage	380/460V

Feature	Detail
Control Voltage	24V
Enclosure Type	NEMA 4 - Stainless Steel
Product Dimensions (H x W x D)	15.75 x 10 x 7 inches
Item Weight	25 pounds
Included Components	Two solenoids, two flow control valves
Manufacturer	InSinkErator
UPC	050375019510

WARRANTY AND SUPPORT

For warranty information, technical support, or to locate authorized service centers, please visit the official InSinkErator website or contact their customer service department. Keep your purchase receipt and model number (AS101K-8) handy when contacting support.

Online Resources: www.insinkerator.com

Customer Service: Refer to the InSinkErator website for current contact information.

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