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K-Rain Pro Plus Rotor

K-Rain Pro Plus Rotor Sprinkler Instruction Manual

Model: Pro Plus Rotor

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the K-Rain Pro Plus Rotor Sprinkler. The Pro Plus Rotor is a gear-driven sprinkler designed for efficient and reliable irrigation in residential and commercial landscapes.

Key Features

- Rotary Gear Driven Sprinkler mechanism.
- Adjustable Arc for precise watering patterns.
- 5 Inch Pop Up Height for effective coverage over turf.
- Capable of both Part and Continuous Circle rotation.
- Watering radius from 24 to 44 Feet.
- Integrated nozzles within the sprinkler cap.



Image 1.1: K-Rain Pro Plus Rotor Sprinkler. This image displays the complete sprinkler unit, highlighting its compact design and the integrated nozzle system.

2. SAFETY INFORMATION

Observe the following safety guidelines during installation, operation, and maintenance of the sprinkler system:

- Always turn off the water supply before performing any installation or maintenance.
- Wear appropriate personal protective equipment, such as gloves and eye protection, when handling tools or working with plumbing.
- Ensure all connections are secure to prevent leaks and water damage.
- Keep children and pets away from the work area during installation.
- Do not operate the sprinkler system if any components are damaged.

3. INSTALLATION

Proper installation ensures optimal performance and longevity of your K-Rain Pro Plus Rotor Sprinkler. Follow these general steps:

1. **Prepare the Location:** Dig a trench to the desired depth for the lateral pipe. Ensure the sprinkler head will be flush with the ground level when retracted.
2. **Connect to Lateral Pipe:** Thread the sprinkler onto a riser or swing joint connected to the lateral irrigation pipe. Use thread sealant tape to ensure a watertight connection.
3. **Position the Sprinkler:** Orient the sprinkler head so that the fixed left arc stop is aligned with the desired left boundary of the watering area.
4. **Backfill:** Carefully backfill the trench, ensuring the top of the sprinkler case is level with the surrounding ground.
5. **Test System:** Turn on the water supply and check for leaks and proper pop-up and rotation.

For detailed system design and specific plumbing requirements, consult a professional irrigation specialist or local plumbing codes.

4. OPERATION AND ADJUSTMENT

The K-Rain Pro Plus Rotor Sprinkler offers easy adjustment for arc and distance to customize your watering coverage.

Arc Adjustment

- The sprinkler comes with a fixed left stop. The arc is adjusted from this fixed point.
- To adjust the arc, insert the K-Rain adjustment key (or a flat-head screwdriver) into the arc adjustment slot located on the top of the sprinkler head.
- Turn the key clockwise to increase the arc (up to 360 degrees for full circle) or counter-clockwise to decrease the arc.
- The arc can be set from 0 to 360 degrees, allowing for both part-circle and full-circle operation.

Distance Adjustment

- The spray distance can be reduced by turning the radius reduction screw, located on the top of the

nozzle.

- Turn the screw clockwise to decrease the spray distance. Do not turn the screw more than two full rotations.
- This adjustment helps prevent overspray onto sidewalks or non-irrigated areas.

Note: A K-Rain adjustment key is recommended for precise adjustments. While a flat-head screwdriver can be used, the dedicated key provides better leverage and prevents damage.

5. MAINTENANCE

Regular maintenance helps ensure the efficient and reliable operation of your sprinkler system.

- **Nozzle Cleaning:** Periodically check the nozzle for debris or clogs. If clogged, carefully remove the nozzle and rinse it with water. Use a soft brush if necessary.
- **Filter Screen:** The sprinkler may contain an internal filter screen at the base. If water flow is reduced, turn off the water, unscrew the sprinkler head, and clean the filter screen.
- **Winterization:** In regions subject to freezing temperatures, it is crucial to properly winterize your irrigation system to prevent damage. This typically involves shutting off the water supply, draining the system, and using compressed air to blow out any remaining water from the pipes and sprinkler heads.
- **Physical Inspection:** Regularly inspect the sprinkler head for any signs of damage, such as cracks in the casing or a broken pop-up stem. Replace damaged units promptly.

6. TROUBLESHOOTING

Refer to the following table for common issues and their potential solutions:

Problem	Possible Cause	Solution
Sprinkler not rotating	Low water pressure, clogged nozzle/filter, internal mechanism failure.	Check system pressure. Clean nozzle and filter screen. If problem persists, replace sprinkler head.
Uneven spray pattern	Clogged nozzle, incorrect arc adjustment, damaged nozzle.	Clean nozzle. Re-adjust arc. Inspect nozzle for damage and replace if necessary.
Sprinkler not popping up fully	Low water pressure, debris in riser, damaged spring.	Check system pressure. Remove sprinkler and clear any debris from the riser. Replace if spring is damaged.
Water leaking from base	Loose connection, damaged threads, cracked casing.	Tighten connection. Reapply thread sealant tape. Replace sprinkler if casing is cracked.

7. SPECIFICATIONS

Attribute	Detail
Brand	K-Rain
Model	Pro Plus Rotor

Attribute	Detail
Color	Gunmetal Grey
Material	Plastic
Style	Adjustable, Rotary, Rotor
Item Dimensions (L x W x H)	2.5 x 2.5 x 7 inches
Pop Up Height	5 inches
Maximum Pressure	100 Pound per Square Inch (PSI)
Maximum Flow Rate	44 Gallons Per Minute (GPM)
Watering Radius	24 to 44 Feet
UPC	671923210311
ASIN	B00DI5K57C

8. WARRANTY INFORMATION

The K-Rain Pro Plus Rotor Sprinkler is covered by a **5-year limited warranty** from the manufacturer. This warranty covers defects in materials and workmanship under normal use and service. For specific terms and conditions, please refer to the official K-Rain warranty documentation or contact K-Rain customer support.

9. CUSTOMER SUPPORT

If you require further assistance, have questions regarding installation, operation, or troubleshooting, or need to make a warranty claim, please contact K-Rain customer support. You can typically find contact information on the official K-Rain website or through your product retailer.

For more information, visit the [K-Rain Store on Amazon](#).