

Lake Restoration De-Icer: 1/2 HP



Lake Restoration, Inc.

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The Lake Restoration Deicer is Manufactured in the USA by
Lake Restoration, Inc. in Rogers, MN.



IMPORTANT!

READ SAFETY RULES AND INSTRUCTIONS CAREFULLY.

TO ASSURE MAXIMUM SAFETY, BEST PERFORMANCE, AND GAIN AN UNDERSTANDING OF THE FUNCTIONS OF THE DE-ICER, IT IS IMPORTANT THAT YOU, AND ANY OTHER OPERATORS OF THE DE-ICER, READ AND UNDERSTAND THE CONTENTS OF THESE INSTRUCTIONS BEFORE OPERATING THE DE-ICER. THESE SAFETY INSTRUCTIONS, IF NOT FOLLOWED, COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS.



WARNINGS

1. NEVER enter the water when equipment is plugged in and operating.
2. Remain cautious of moving parts on equipment.
3. Be cautious while working around water, especially cold water, as this could pose other hazards, such as hypothermia, if you are exposed.
4. Use ropes or dock mount material to move deicer. Never use the cord to drag or lift.
5. Make sure the unit is plugged into a GFCI circuit.

SPECS:

Model	Voltage	Operating Amps
½ HP	115V	10 Amps

PRODUCT INTRODUCTION:



Thank you for purchasing Lake Restoration Deicer. To ensure this Deicer is easy to use and install, please read complete manual instructions. All information in this manual is subject to change. The Deicer is great solution for your marina, pond, or other body of water.

CHECKLIST:

Deicer 1/2 Horse Power:

Parts (Provided):

- Deicer motor (unit) and cord
- Suspension Ropes

Lake Restoration carries Vertical Rope Suspension, and Dock Mount (sold separately) installation systems. These mounting systems are offered so you can chose which system will work best for your unique dock situation.



Rope Mount



Dock Mount (sold separate)

Rope Mount:

1. Chose a place to set up de-icer where it will have at least 4 ft of water depth.
2. Tie each rope with a knot securely onto the dock piling, boat, etc. Make sure ropes are 8-10 feet apart from one another. This will prevent it from getting tangled with the electrical cord and causing damage when the de-icer is plugged in and operated.
3. You may plug in your de-icer to a GFI protected circuit when your deicer has been installed and secured.



Dock/Post Mount: (If Applicable)

Tools/supplies needed:

Parts (Provided):

- Motor (unit) and cord
- Dock Mount or Pole Mount with U-bolts
- Clamp bodies with 3/8" bolts and washers
- 4 foot pole

Parts needed:

- 7/16" wrench or socket with ratchet (to adjust deicer angle)
- 9/16" Wrench (to tighten clamp bodies around the 4 ft pole)
- If using the dock mount: Bolts and washers to fasten the mount to your dock.
- If using the post mount: 9/16" wrench to tighten the U-bolts to a dock post.
- Lag screws or bolts to secure dock mount

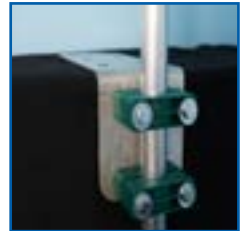
Assembly Instructions:

1. Attach your Deicer using one of two methods. You can chose to screw the dock mount into your dock, or you can use the supplied post mount U-bolts to attach to a pole on your dock.



Dock Mount:

Set the dock mount on your dock in the location you would like to have the Deicer located. Fasten the mount to the dock; it is recommended to use bolts and washers.



OR

Post Mount:

Using the supplied U-bolts, attach the post mount to a dock pole where you want the Deicer located.



3. Secure the 4' extension pole to the unit by threading the bottom of the pole to the top of the unit. Screw in clockwise until pole is fully screwed into the unit. Test security of the pole and unit. When the pole is securely threaded into the unit, it can be moved to the dock area for installation.

4. Once your dock mount or post mount is fixed to your dock, slide the 4 foot pole up through the green clamp bodies. Tighten the clamp bodies using a 9/16" wrench.



5. Plug in the De-icer.

Note: you can adjust the angle of your deicer by removing the three bolts in this plate and rotating it to your desired setting.



CLEANING:

In cooler regions, remove the de-icer once a year to clean the exterior. If stainless steel housing around the unit is not cleaned, it can prevent proper heat transfer, making the unit less effective. In warmer regions, clean 2-3 times per year or as needed. Remove algae and other buildup with power sprayer.

TROUBLE SHOOTING:

Double check your installation and assembly of the de-icer .

“GROUND FAULT INTERRUPTER TRIPPED”

This can mean a few things: Electrical service problems, water getting into the cord, bad breaker, motor problems, etc.

Pay attention to how many times it trips, how long it takes to trip, and electrical problems nearby.

“MY DE-ICER RUNS SLOW”

Could mean several things. De-Icer running slowly could possibly mean the unit isn't getting proper voltage.

“FLOW SEEMS TO FLUCTUATE IN STRENGTH”

Check the screen for any debris that is clogging the water intake and output. Weeds and other debris could clog the screen. When the unit is turned off and unplugged, remove any debris. If this fails, check prop for chips that could be affecting the water pattern and making the unit sway.

WARRANTY INFORMATION

Lake Restoration, Inc. (LRI) warrants that this product is free from defective material and workmanship. LRI further warrants that if this product fails to operate properly within one year of the purchase date and the failure is due to improper workmanship or defective material, LRI will repair or replace the product at LRI's option. Items that have been used cannot be refunded due to safety and environmental concerns.

Please keep your receipt for your purchase to establish warranty time-frame. Please contact Lake Restoration before 877-428-8898 before shipping to us.

RETURNS:

You must return whole, in-tact De-Icer assembly. If any part of the De-Icer is lost, removed or damaged by owner, parts will be replaced at owners expense. If lost, removed, or damaged parts by the customer are the cause of the issue, the warranty will be voided.

Please include your name, address, phone number, and email address inside packaging for identification. The product will be shipped to Lake Restoration at the owner's expense. In return, Lake Restoration will return the warrantied product at our expense by ground freight.

The De-Icer may be returned within 60 days of purchase if it has not been placed in the water or operated.

Shipping and handling charges will not be refunded unless an error occurred on our part in the shipment of your order.

WARRANTY INFORMATION (Continued)

DAMAGES:

Please inspect the packaging of your item(s) when they arrive. If your item(s) arrived damaged, please email photos to LRmail@LakeRestoration.com.

THE WARRANTY IS VOID UNDER THESE SITUATIONS:

1. Lack of necessary maintenance of the product which contributed to the problem.
2. If any component of the product has been altered in any way from the original shipment.
3. Damage due to tampering by customer.

Please contact us at (877)428-8898 with any questions about our warranty or returns.



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