

Thermo-Pond™ Perfect Climate Deluxe Pond De-icer

Care & Instructions

Made in China

K&H Manufacturing, LLC
Colorado Springs, CO
www.khmfg.com | (719) 591-6950



Thank you for purchasing a Thermo-Pond™ Perfect Climate Deluxe Pond De-icer. The state of the art design allows for use as a submersible or floating pond de-icer in just seconds. The removable heater is made for years of dependable service when used as directed and cared for properly.

WARNING: This is an electrical product. Read all directions and precautions carefully before operating. Failure to properly follow all directions and instructions may lead to electrical shock or fire which could cause serious bodily injury.

1 Directions for use as a floating de-icer:
After unpacking your pond de-icer, simply extend the cord, place the heater into your pond in the desired location and plug it into your outdoor GFCI outlet. It is important to make sure the outlet is a GFCI outlet. (Ground Fault Current Interrupter.) Once the surrounding water temperature falls, the Thermo-Pond™ will automatically turn on and off and keep an ice-free area to assist in the removal of toxic gas build-up in the water, which can be crucial to the wintering over of pond life.

2 If your pond is already frozen over:
If ice has already formed on the surface of your pond drill a hole in the ice with an ice auger. Do not chop through ice as the shock waves can damage or kill your fish. Then place your heater through the hole and run your cord to a properly grounded outlet protecting the cord from damage. If you do not have access to an ice auger place a large pan or bucket with water on the surface of the ice. Place your heater into the container of water and plug the heater into a properly grounded outlet. The heater will heat the water and container melting a hole in the pond ice. When a hole has been melted unplug the heater and remove the container. Place the heater through the hole and run the cord to a properly grounded outlet protecting the cord from damage. **DO NOT allow the heating element to be exposed to the air when plugged in.** The heating element must ALWAYS be fully submerged in water during use.

3 Caring for your de-icer:
Occasionally check the heating element on your de-icer to ensure there is not excessive scale build-up on the element. Excessive scale build up is a natural occurrence and is a result of minerals in the water. If it appears there is excessive build-up, un-plug your de-icer and allow 1 minute before removing it from your pond. For easier cleaning, you may thread the power cord through the top of the housing. This will allow you to unscrew the heater from the base of the housing. Once the heater is removed from the housing, run the heater under warm water and wash it with a cloth and soapy water. If the

scaling is difficult to remove in this manner, obtain a lime remover liquid. Simply soak the steel heating element in a shallow dish filled approximately ½ inch deep with the lime remover liquid. After soaking and cleaning, rinse and re-assemble the de-icer into the housing.

4 Storing your de-icer:
After spring warm-up, follow the care and cleaning instructions above. Store in a safe place for next season.

5 Important safety note:
Do not allow heating element to be exposed to air when plugged in. **Heating element MUST be submerged at all times.**

IMPORTANT SAFEGUARDS

When using electrical appliances, basic safety precautions should always be followed including the following:

- Have a qualified electrician install a properly grounded outlet, acceptable for outdoor use and protected from snow and rain immediately adjacent to the location where the heater will be used.
- Route supply cord and locate the heater so as to be protected from damage by livestock.
- Do not use extension cords
- Inspect cord before using. If the cord is damaged do not use.
- Unplug heater at receptacle outlet when not in use or before removal from pond.
- Store heaters indoors after the winter season.
- Never walk on thin ice.

WARNING: HEATING ELEMENT MUST BE SUBMERGED UNDER WATER AT ALL TIMES when the de-icer is in use!

- Make sure the cord is placed properly to ensure the de-icer floats level when using as a floating de-icer.
- Never allow pond to run dry.

K&H Limited Two Year Warranty

Our warranty is as follows: K&H Manufacturing warrants to the original consumer, that this product will be free of defects and workmanship for a period of two years from the date of purchase. The manufacturer's liability hereunder is limited to replacement of the product. This warranty is void if the product has been damaged by accident, unreasonable use, neglect, tampering, or other causes not arising from defects in material or workmanship.

To exercise your warranty: If, during the warranty period, your product malfunctions, return it to the place of purchase with your **original purchase receipt**. If this cannot be done, return the product, postage prepaid, to K&H Manufacturing, with **dated proof of purchase or original date receipt**. A return authorization number, obtained by calling (719) 591-6950 must accompany all returns to manufacturer. Please include a note explaining the problem when returning the product.