



ALLIED PRECISION INDUSTRIES, INC.  
705 E. North Street  
Elburn, IL 60119

## Instructions for Birdbath Deicer Model 300 Setup and Operation

### Specifications

200 watts, 120 VAC, 60 Hz

### CAUTION

1. To insure continued protection against electric shock, connect to properly grounded outlets only.
2. Unplug the heater at receptacle outlet when not in use or before removing from tank or pond

### WARNING

1. Read all instructions.
2. Inspect the cord before using.
3. Do not use extension cords.
4. Do not immerse the plug.
5. Store indoors after winter season.
6. Never operate the heater without the guard in place.
7. **Connect only to a circuit that is protected by a Ground Fault Circuit Interrupter (GFCI).** This is a sensitive device that cuts off the electricity if there is any leakage of current. This device may be obtained from any electrician or hardware store.

### IMPORTANT

This product is approved for use **only** with the **LOCKNDRY™ Listed Detachable Power Supply Cord**. The plug on this product is specially designed to mate with the **LOCKNDRY** detachable power supply cord to form a water resistant seal. Mating receptacles can be identified by the red locking nut on each cord. The back of this sheet shows how the plug mates with the **LOCKNDRY** cord.

### Installation

1. The unit should be placed in a tank with water and then plugged into a Ground Fault Circuit Interrupter (GCFI) protected circuit. Place a rock on top of the unit to prevent it from being blown from the birdbath.
2. This deicer is UL approved for use only with the **LOCKNDRY** detachable power supply cord--see back of this sheet for details. Do not use extension cords.
3. The unit is thermostatically controlled so that it will not turn on until the temperature drops to around 40°F. If it is removed from the tank, it will turn on and then shut itself off in about 60-90 seconds. It will then cycle on and off in this manner.

### Installation, con't.

4. The safety thermostat should be regarded as an emergency backup, therefore, install the deicer so that it will not come into contact with combustible material.
5. For proper operation, keep the water level above the deicer.
6. Make sure that the electrical connections are staked or positioned to keep them out of snow or water.

### Troubleshooting

1. The unit is designed to de-ice water, therefore, it will not turn on until the water temperature is below approximately 40°F. To test the unit, place it into a freezer for 20 minutes and then plug it in to see if it turns on.
2. If the deicer pops the GFCI circuit at any time, it is defective and should not be used.

### Maintenance

Do not allow lime or other impurities in the water to build up on the heating element. The frequency of cleaning depends directly upon the composition of your water supply. To remove buildup, first remove the metal guard by removing the center screw and nut. Soak the heating element in vinegar or a lime removing cleaners obtained at any farm or hardware store then use a non-metallic brush to remove any remaining build-up. Inspect the element for any cracks before reinstalling the guard. Be sure the screw and nut are attached firmly. During the heating season, empty and refill your birdbath regularly to prevent the buildup of dissolved lime in the water due to evaporation.

### Warranty

This de-icer is warranted for a period of 3 years from the date of purchase. If you believe your de-icer is defective and still within the warranty period, return it to the factory or place of purchase for inspection and possible replacement. The warranty is voided if (1) the cord has been modified in any way, (2) excessive deposits have been allowed to accumulate on the heating element, or (3) there is evidence of general abuse such as animals chewing on the cord. This warranty does not cover incidental or consequential damage resulting from either a defect in parts, materials, or operation failure. Some states do not allow the exclusion or limitation of the above damages so the above limitation may not apply to you. No agent, employee, or representative of Allied Precision has any authority to bind Allied Precision to any affirmation, representation or warranty directed towards any products bearing the Allied Precision name, except as stated herein. This warranty gives you specific legal rights--you may also have other rights which vary from state to state.

# Instructions for attaching the **LOCKNDRY™ Detachable Power Supply Cord**

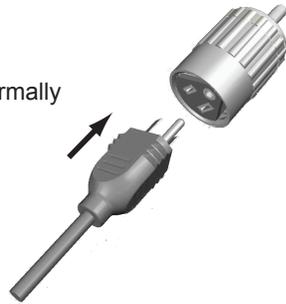
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## FEATURES

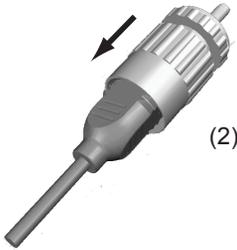
- Plugs into any normal 3-prong outlet
- Mates with LOCKNDRY plugs to form a water-resistant seal
- Keeps connection from separating during use
- Second, locking nut for secure connections
- UL Listed Detachable Power Supply Cord

## INSTRUCTIONS

- (1) Insert the plug into the receptacle just as you normally would making sure the plug is fully inserted.



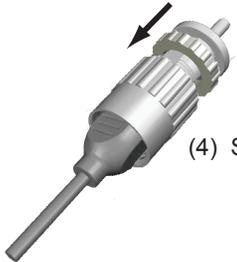
- (2) Slide the large nut forward to engage the threads on the plug



- (3) Rotate the nut to tighten the plug against the receptacle.  
HAND TIGHTEN ONLY.



- (4) Slide the second, thinner, red nut forward to engage the threads.



- (5) Rotate the red nut snugly against the larger nut.  
HAND TIGHTEN ONLY.

