



# C-10 Thermostat Unit Control Installation Instructions

Important - Read Carefully Before Installation

## **CAUTION:**

To ensure the safe operation and long life of your Kasco Equipment, always take the following precautions:

- Always keep people and objects clear of the De-Icer propeller when operating.
- Always disconnect the power before servicing or removing your De-Icer.
- Always operate your Kasco De-Icer in the water! Operating your De-Icer dry (on shore or dock) can cause damage to the seals or injure operator.
- Always mount your C-10 on a vertical surface and operate only with the cover closed.
- Never lift your Kasco De-Icer or C-10 control by the power cable. This could damage the power cable and make your De-Icer or control unsafe to operate.
- Kasco Marine highly recommends that all possible precautions be taken around open water De-Icing areas to ensure the safety of the public, i.e., "Thin Ice" and/or "Open Water" signs, appropriate lighting, fencing or other safety measures as required in your area.
- There are certain conditions under which no circulator can prevent ice damage such as ice that moves due to wind or current, extremely cold weather where ice forms all the way to the bottom and in some cases where the bottom water temperature is the same as ice (very shallow water). Effective operation can be somewhat restricted by too little bottom clearance.

## **INSPECTING YOUR C-10 UNIT CONTROL:**

Upon receiving your Kasco C-10 Unit Control, please unpack and inspect your C-10 for any possible damage that may have happened during shipment. Any damage or shortage should be reported to your dealer/delivery service immediately to ensure prompt resolution.

## **INSTALLATION:**

This unit must be mounted on a vertical surface close enough to your power supply to allow at least a slight slack in the power cord from the C-10. Select the screw(s) with which to mount your C-10. You will need two for the mounting holes at the top of the box and one for the mounting hole located at bottom of the C-10 box.

Important: Your C-10 is designed to operate only one Kasco De-Icer. For the most accurate operation, avoid placing your C-10 in direct sunlight.

## **OPERATION:**

1. Plug the C-10 Power Cord into a properly grounded 120V outlet.
2. Set the temperature you desire the De-Icer to come on by rotating the Thermostat dial to the arrow. It is recommended to set the temperature at 30°F. The C-10 works on temperature fall. When the ambient air temperature reaches the set point on the thermostat, the De-Icer will turn on. There is a 2.5°F differential, so when the temperature rises to 2.5°F above the set thermostat temperature, the De-Icer will turn off.
3. Plug the INSTALLED Kasco De-Icer into the piggyback plug of the C-10.

## **RECOMMENDATIONS & INFO:**

Use the following guide lines and hints to assist in customizing your setting for local conditions.

De-Icers set up small localized currents the longer they run. Fewer and longer operation cycles will prove to be more effective than more frequent and shorter operation cycles.

Fresh water freezes at 32°F, salt water at 28°F, and brackish water will freeze somewhere in between depending on the salinity level.

Once activated, the thermostat stays activated until the temperature rises the 2.5°F differential, putting the temperature above the freezing point.

If the temperature is hovering near the freezing point, any ice formation is minimized.

Daily observation is suggested for all de-icing installation.

A number of factors can increase freeze rates such as wind, snow, and colder temperatures. A sunny day can actually retard freezing.

**TWO YEAR LIMITED WARRANTY:**

Kasco Marine, Inc. warrants the C-10 Thermostat Control to be free from defects in material and workmanship under normal use and service. The Kasco Marine, Inc. obligation under this warranty is limited to replacing free of charge any defective part within two (2) years from date of purchase. Customer shall pay all shipping charges.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES EXPRESS OR IMPLIED, AND ANY OTHER OBLIGATION OR LIABILITY WHATSOEVER ON THE PART OF KASCO MARINE, INC. AND IN NO EVENT SHALL KASCO MARINE, INC. BE LIABLE FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES.

No warranty registration is required, only original purchase receipt is needed for limited warranty coverage.

Warranty is void: If thermostat is damaged by unauthorized tampering or improper use.

**KASCO SERVICE PARTS:**

If the service parts listed below are not available from your local marine dealer, please order direct from Kasco Marine.

- F2400 (1/2 HP) "K" Propeller
- F3400 (3/4 HP) "J" Propeller
- 4400 (1 HP) "M" Propeller
- Zinc Anode
- Electric Power Cable, 25' length (16 gauge)
- Other lengths and gauges are available by special order.

Specifications are subject to change without prior notice.

All orders shipped via United Parcel Service.

For Optional Kasco Parts or accessories, contact your local dealer or call Kasco at (715)262-4488.



*The Industry Leader in  
Ice Control Engineering.*



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