



MOVING WATER FORWARD, SINCE 1968

C-10 CONTROL PANEL



Installation & Operation Manual



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SAFETY FIRST

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.
- Take all possible precautions around open water de-icing areas to ensure the safety of the public, such as “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.
- To reduce the risk of electrical shock, be certain that the C-10 is plugged in to an approved GFCI-protected circuit.

INSTALLATION INSTRUCTIONS

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. An 8-foot connected power cord is included.

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 and during the winter months, make sure it's mounted above the snow line. Allow enough slack to prevent strain on the plug while ensuring that it is fully connected.

 **NOTE** Note: The C-10 control must acclimate to the outdoor ambient temperature for proper operation. Allow at least 1 hour for the C-10 to adjust to ambient temperature.

OPERATION & MAINTENANCE

1. Plug the C-10 Power Cord into a properly grounded 120V outlet.
2. Set the temperature at which the de-icer will start running by rotating the thermostat dial to the arrow. We recommend setting the activation temperature to 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 power off.
3. Plug the INSTALLED Kasco De-Icer into the piggyback plug of the C-10.

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

- De-icers create 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. This minimizes ice formation when the temperature is hovering near the freezing point.
- Daily observation of all de-icing installations increases the likelihood of catching any issues early. A number of factors can increase freeze rates and cause de-icing results to vary, including wind, snow, and colder temperatures.

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

QUESTIONS?



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