

CozyHeat Bathtub Surface Heaters



Installation & Operating Instruction Manual

For use with CMBC-298 or CIHC-300 series TOUCHSTONE
Electronic Controllers

ella
by ella's bubbles



Important Safety Instructions

**PLEASE READ CAREFULLY PRIOR TO
Troubleshooting and Servicing Electrical Equipment**

Definitions:

WARNING (May cause serious injuries or death)

CAUTION (May cause property damage)

For information on NuWhirl Instructions, see:
www.nuwhirl.com/docs/product-instructions.html

When installing and using this electrical equipment, basic safety precautions should always be followed, including:

WARNING: Keep dry. Replace if exposed to water, moisture or contamination.

WARNING: Use and follow these instructions along with all instructions that have been provided with your whirlpool bathtub in order to fully enjoy the bathtub safely.

WARNING: Electronic control system components should be installed as per local and national Electrical Codes, in a location not to be subjected to splashing or flooding. Exposure to water or splashing will void all product certifications and warranties.

There are no user serviceable parts inside. Opening, modifying, or tampering with control system components will void all product certifications and warranties.

WARNING: Risk of electric shock. Connect control only to a ground type receptacle or power supply junction box protected by a Ground-Fault Circuit Interrupter (GFCI). Contact a qualified electrician if you cannot verify that the power supply is protected by a GFCI. The GFCI should be tested on a routine basis. Consult the GFCI manufacturer's instructions for correct testing and operation.

For electrical connections, see applicable wiring diagram.

See www.nuwhirl.com/docs/product-instructions.html

Do not use an extension cord to connect the product to the electric supply; provide a properly located receptacle or junction box.

WARNING: Failure to install in strict accordance with each and every instruction above may compromise the system, which may cause injury to persons and/or property.

The tub may be supplied from more than one power source. Before working on any electrical device, make sure all power to the control system is off.

Use this unit only for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer. Any improper installation or misuse of the equipment may result in injury to the user and will void the warranty.

Save these instructions.

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It is recommended to turn the heater on for five-seven minutes prior to entering the tub. Once the heater on/off button is depressed the heater will increase the temperature of the heated surfaces to a comfortable level.

The heated seat and back elements that become glued to the inside bottom of the acrylic reaches 100 degrees F, the surface of the tub will barely reach about 80 degrees F, depending on the thickness of the acrylic, location of the metal frame, and other variables. The heater will run for 20 minutes and will then shut off.

If you wish to stop the heater, or you feel uncomfortable with the temperature of the heating area, simply depress the heater on/off button to turn the heater off.

WARNING! To prevent accidental overheating, DO NOT cover the seat with any type of insulating material (e.g. towel, bathrobe, or similar covering).





Installation Guidelines

For Use By Qualified Service Personnel ONLY.

I. Before Installing:

Inspect heating equipment thoroughly.

Damage from shipping or delivery must be reported to the carrier and NuWhirl immediately. Do not install damaged equipment.

Heating equipment is tested by the factory prior to shipment. Although extremely rare, factory defects may happen and they must be reported to the factory before the equipment is installed.

Electrical Specifications:

Check the electrical specifications marked on the heating equipment.

More than one heater may be connected as long as the total wattage drawn by all heaters does not exceed the watt capacity of the controller. DO NOT alter the provided supply cords or the heater.

CAUTION!

IT IS IMPORTANT THAT PROPER CLEANING PREPARATION BE MAINTAINED PRIOR TO THE INSTALLATION OF THE HEATER BLANKET. IF THE INSTRUCTIONS ARE NOT FOLLOWED, PROPER ADHESION MAY NOT BE ATTAINED AND THE BLANKET COULD LOOSEN FROM THE SURFACE AND RESULT IN POOR HEATING TO THE SURFACE OF THE TUB.

NuWhirl offers heaters that may be imbedded in the wall of the tub or peel and stick models that attach to the underside surface of the tub.

The following instruction applies to the peel and stick models:

Before attaching the heater to the tub surface, the surface of the tub must be clean, dry and free of dust and grease. Determine the appropriate location of the heater on the tub and mark location as necessary.

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II. Installation Instructions

Prepare the surface by using a steel wire brush with a pneumatic or electric grinder in the area that the heater will be placed. (Be sure to wear protective eye goggles during this operation) Wipe the brushed area with Isopropyl alcohol. A clean surface is imperative for proper preparation. Be sure that the surface is completely dry before applying the heater. Remove the release paper from the back of the heater. Do not touch or handle the adhesive side of the heater.

Position the heater into place and firmly press the heater to the surface of the tub with a rubber coated roller or manually. Make sure the heater is flat, not folded or crumpled up. Press or roll from the center of the heater out to the edges of the heater in all directions. It is important to create a strong seal on the perimeter of the heater. Bond Strength is dependent upon the amount of adhesive surface contact developed. Firm application pressure develops better adhesive contact and helps improve bond strength. Generally, this means that the adhesive should experience at least 15 PSI with a roller. Full bond strength will be achieved in 72 hours.

Place a permanently adhered red warning label on a prominently exposed area on the tub which states:

WARNING! To prevent accidental overheating, **DO NOT** cover the seat with any type of insulating material (e.g. towel, bathrobe, or similar covering).



NOTE: Once the heater is affixed to the tub, DO NOT attempt to reposition or remove the heater. If the heater is removed, the adhesive will be compromised and application of additional adhesive will be required for proper adherence. In this case: Use 3M 90 Spray Adhesive and follow the adhesive instructions carefully.

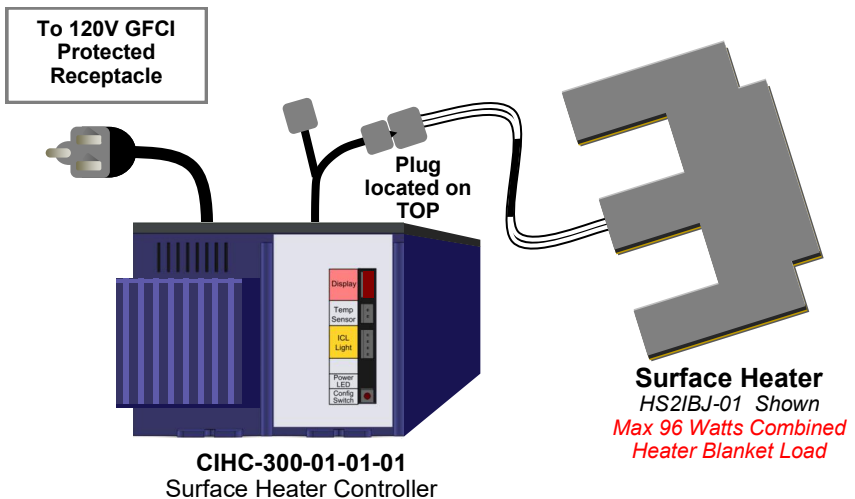
Apply adhesive to the tub surface and to the heater non-insulation side. When applied adhesive is ready for contact, press or roll from the center of the heater out to the edges of the heater in all directions. It is important to create a strong seal on the perimeter of the heater. Bond strength is dependent upon the amount of adhesive surface contact developed. Firm application pressure develops better adhesive contact and helps improve bond strength.

Allow the adhesive to set.

III. Wiring Instructions

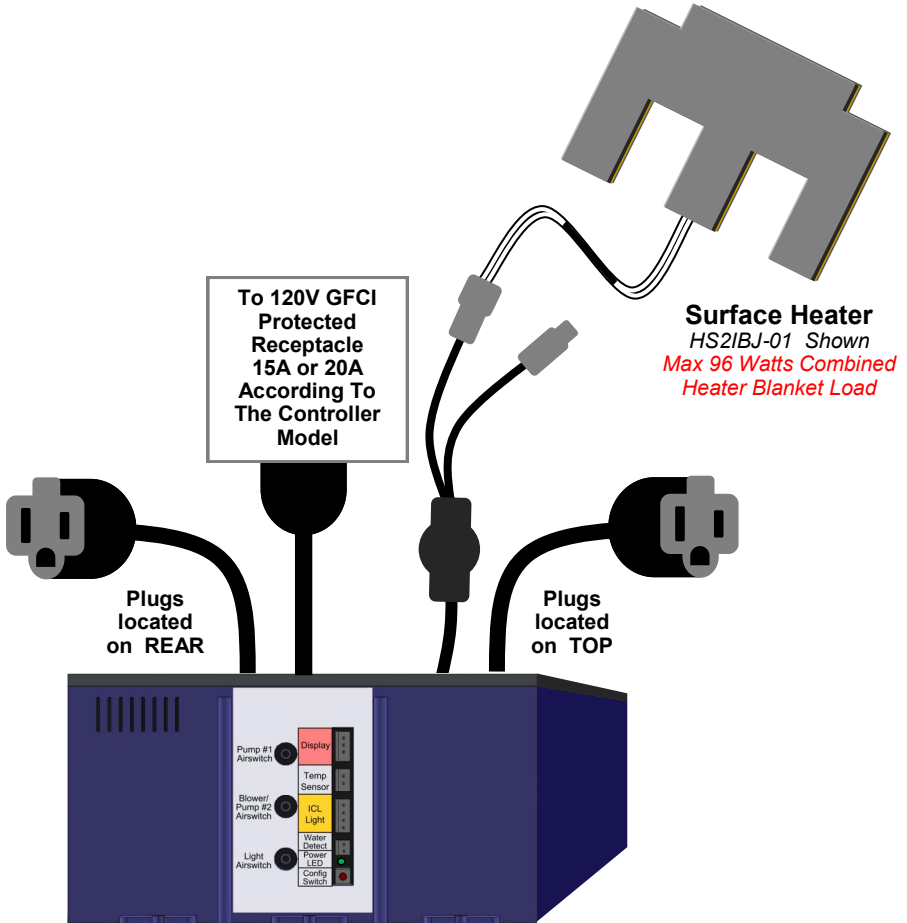
Connect the surface heater blanket power cords with the respective outlets located on the top of the CMBC-298 or CIHC-300 controller.

CIHC-300 Standalone Controller Option



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CMBC-298 Master Bath Controller Option



CMBC-298-01-[01/02]-01
Master Bath Control System

NOTE: The combined wattage of both surface heater blankets must not exceed watt capacity of the controller.

Failure to connect cables to ports as shown, may damage the control box and its components and void any warranties.