

INSTALLATION INSTRUCTIONS

FOR THE BOATSAFE DIAL-A-WATT HEATER

MODELS: CH1215 (120V) & CH2422 (240V)

Includes Stainless Steel Models

THIS HEATER FEATURES USER ADJUSTABLE WATTAGE'S. IF THE USER ELECTS NOT TO USE THE POWER CORD SUPPLIED WITH THE UNIT, THE FOLLOWING MINIMUM WIRE SIZES MUST BE USED FOR A HARDWIRE INSTALLATION:
 120V HEATER- 14GA. - 240V HEATER - 14GA.

NOTE: Turn off power source supplying heater circuit before attempting to wire this heater. Possible shock, burns, or death could result if you do not comply.

1. Remove heater from the carton and inspect for possible damage in shipment.
2. The mounting location must have at least 4 1/2" of depth, 7" height, and 13 1/2 inches width in a bulkhead or plywood wall panel. Note: The back, bottom and sides do not get hot. But, the top of the boat box will get warm to the touch. If an object were to obstruct proper air flow from the front grill of the heater, the top surface of the boat box would reach higher than normal operating temperatures. Therefore, the heater unit must not be installed into any location (i.e.: a storage locker) where objects could come into contact with the top of the unit.
3. The installation cutout must be: 12 1/2".W (no wider) by 6" High. The heater cannot be installed vertically. It will function properly only when installed horizontally.
4. Once the mounting hole has been cut, and before installing the unit into its mounting hole, you may decide to use the power cord supplied with your unit, or to hardwire a cord directly into the heater. If you hardwire: Use a strain relief connector through one of the knockouts in the heater box, and attach the proper GA. wire for your model.
5. Mount the heater unit into its mounting hole by attaching the bulkhead flanges of the boatbox (see Diagram below) to the bulkhead using (4) No #6 screws.
6. Next, connect the the wiring harness with the Multi-pin socket coming from the heater to the harness and socket on the backside of the grill. Attach the grill to the front of the heater using the (2) screws provided. Finally, attach the thermostat knob to the shaft protruding through the lower hole of the grill.
7. TO TEST THE HEATER: Slowly turn the thermostat knob in a clockwise direction until you hear a faint click. This is your cabin's ambient temperature set point. A higher setting above this point will increase the cabin temperature. A setting below this point will allow the cabin temperature to fall to a lower ambient before the heater turns on. The Thermostat will control in a range of 40 to 90 deg. F. If you turn the thermostat fully counterclockwise. You will sense/hear a physical click that tells you the thermostat is in the full "off" position and the heater will not operate at any temperature.
8. Turn the Dial-A Watt control to the lowest setting (250 or 500 watt) and turn the thermostat "on". Continue turning the Dial-A-Watt to progressively higher settings, pausing at each setting to experience the increase in heat as you move through the settings. The versatility of this feature will allow you to find and maintain the perfect setting for your individual "creature comfort" level. It will also allow you to reduce the amperage draw of your heater when using other onboard appliances which might cause your circuit breaker to trip to "off".

