

# !CAUTION!

Your BayAir air conditioner contains a heat exchanger that is manufactured using solder containing lead. For this reason, do not use ice or water stored in the ice storage compartment used with the unit for any other purpose. The ice and water could be harmful if swallowed. Do not allow food to come in contact with this ice or water.

Although the BayAir does not burn any fuel and therefore produces no carbon monoxide, other vessels nearby may be using generators or other equipment that produces this potentially deadly gas. A carbon monoxide detector is recommended for any boat with an enclosed cabin or sleeping area. A smoke detector is also recommended for any vessel, vehicle or structure you intend to sleep in.

*BayAir* is patented by Innova Tech, Inc.

Address questions or comments to:

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## INSTALLATION INSTRUCTIONS

### UNPACKING

You should have:

Cooling/Control Unit

Mounting plate

Supply and return hoses (insulated)

Condensate drain hose (uninsulated)

Pump (or optional ice storage/pump unit)

Hex key wrench

### COOLING/CONTROL UNIT INSTALLATION

1. Place cooling unit in cabin for trial fit. Unit must be mounted on a secure, level surface. Maximum elevation change from base of pump to control unit is 60" for High Capacity unit. Check for interference with intended hose and wiring routing.  
If back of unit will be against a bulkhead, use supplied template to mark holes for hoses and wiring.
2. Attach mounting plate to selected location with #8 flat head screws.
3. Loosen setscrews in fan and temperature control knobs with hex key wrench supplied and remove knobs. Remove unit faceplate by gently pulling away from the unit starting at the lower edge.
4. Slide grommets on rear of unit over studs on rear of mounting plate align grommets in bottom front of unit with vertical pins on front of mounting plate and press down gently until unit seats. Secure with washers and clips provided.

5. Replace faceplate and control knobs.
6. Disconnect boat batteries. Connect cooling/control unit power leads to a 12-volt dc source. The positive (red) lead MUST be fused with a 5 amp fast acting fuse. Do not reconnect batteries until pump electrical connections are completed.
7. Secure ½” O.D. uninsulated condensate hose to drain tube on rear of cooling unit with wire tie. Route hose to bilge or overboard drain. Condensate hose must slope continuously downward to allow gravity flow. Route pump electrical leads and supply and return hoses to ice storage compartment and proceed with pump installation.

### PUMP INSTALLATION

1. Select an insulated compartment for ice storage that is at least 2 to 3 cubic feet in volume with bottom & sides that are waterproof and leak free. Pump should be mounted so that it will be in the lowest elevation of the ice storage compartment when the boat is in the water.
2. Mount pump base with stainless steel screws and snap pump into mount. Connect either hose from cooling/control unit to pump outlet using included adapter. Secure end of the other hose to bottom of opposite end of ice storage compartment with nylon strap provided. The end of this return hose must be secured low enough in the compartment so that it, as well as the pump intake is submerged in the recirculated water for reliable operation in all conditions. Using connectors provided, connect positive lead (red) from cooling/control unit to brown lead from pump. Connect black leads. Heat shrink connector insulation to seal with wire insulation.
3. Seal any holes where hoses, wires etc. pass through walls or bottom of ice storage compartment with RTV silicone or other waterproof caulk. This compartment MUST be leak free.
4. If block ice will be used, the pump must be protected from impact by the ice. A section of aluminum or fiberglass angle may be used for this purpose.

### OPERATING INSTRUCTIONS

1. Fill ice storage compartment with ice.
2. If air conditioner will be used immediately, add enough water to the ice storage compartment to allow the pump to prime. Do not add more water than necessary to minimize melting the ice.
3. Turn fan switch to the desired speed and set temperature. The brightness of the LED below the temperature knob varies with pump output to assist in setting temperature.

### WARRANTY

Innova Tech warrants your BayAir air conditioner to be free from defects in materials and workmanship for one year from the date of purchase. Innova Tech will at its sole option repair or replace any components that fail in normal use. The customer is responsible for removal, transportation and reinstallation costs. This warranty is void if equipment has been subjected to abuse, misuse, accident or unauthorized alteration or repairs. This warranty is exclusive and in lieu of all other warranties expressed or implied, including any warranty of merchantability or fitness for a particular purpose. Innova Tech assumes no responsibility for special, incidental, punitive or consequential damages, or loss of use.