

ABOUT THIS AUTOMATIC BILGE PUMP

This new automatic bilge pump is electronic controlled. It needs no sensors, no floats, no diaphragms, no points, no reeds. The control unit in the pump automatically checks bilge every few minutes. If no water is present, the pump does not run. Otherwise the pump runs until the water is pumped out. When overload, it stops automatically to prevent the pump from damage.

Mounting

- Pump should be installed in the deepest section of the bilge.
- To determine mounting base orientation, place pump with hose attached in sump and route hose in a manner which eliminates sharp bends and kinks.
- Remove strainer/base from pump housing by depressing lock tabs.
- Secure strainer/base in position with three stainless steel screws provided.
- Optional mounting technique is to glass in a half inch thick teak mounting plate.
- If bilge surface is not flat the area can be leveled with resin filler.

Electrical

Important: Lead wires should not be shortened. Wiring connections must be clear of the bilge and long pigtails are designed to assure dry connections.

- Long wire runs require at least 14 gauge wire.
- Butt splice connections of the appropriate wire gauge size are the most effective system.
- After connections are crimped they should be coated with sealant.
- Wires should be secured with cable clamps or tie wraps.

Hose and Thru-Hull Connections

- Use flexible noncollapsible hose of the I.D. (inside diameter) indicated.
- Avoid sharp turns or bends in the hose.

- Stainless steel hose clamps should be used to secure the hose at the pump and thru hull fitting.
- Highest point of the hose should be above waterline at all angles of heel and pitch.
- If long runs are unavoidable, place the high point in the loop as close to the pump as possible.

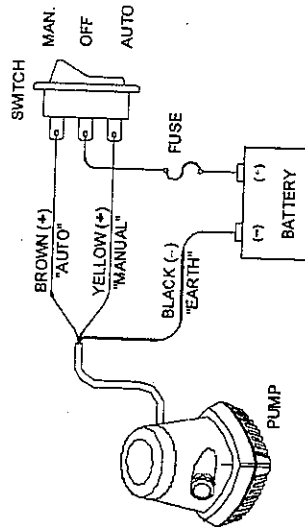
Maintenance

- Pump maintenance includes periodic pump removal from the bilge to remove debris from the strainer.
- Pump housing can be removed from the strainer/base-by depressing lock tabs and lifting up on the housing.
- The effects of shock and vibration may cause the pump to loosen or hose clamps to loosen and they should be checked periodically.
- Wiring should be checked for breaks in the insulation and corrosion at the connections.

TROUBLE-SHOOTING

If pump can not function, the following procedure is recommended:

- Remove pump from the strainer/base.
- Submerge pump in pail of water until pump function.
- switch on (about 5 minutes) to see if it is functioning.
- Replace pump on strainer/base



WIRING

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