



THE POWER PEDESTAL COMPANY

**HyPower**

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## Care and Maintenance of a HyPower Unit

Thank you for choosing HyPower. We produce units that are designed to withstand harsh exterior environments. Very little maintenance is required to keep the units looking new for many years and to keep the warranty effective. Please check our website [www.powerpedestal.com](http://www.powerpedestal.com) periodically for potential updates and/or improvements to the care and maintenance of your unit.

### I. Exterior Maintenance:

- 1.) To remove dirt, grime and bird droppings, use a mild solution of dishwashing detergent at approximately one teaspoon per gallon of warm water.
- 2.) To remove spider webs, insects and droppings, follow step one above. To prevent potential damage to the unit we **DO NOT RECOMMEND** the use of any product, including mists and sprays, which might result in the possibility that a natural or manmade chemical might sit on a unit potentially causing stress cracking and/or other potential damage to the exterior or interior of the unit and its components.
- 3.) **DO NOT USE ANY SOLVENT OR CORROSION INHIBITING PRODUCTS ON ANY PART OF THIS UNIT! THIS CAN CAUSE SERIOUS STRESS CRACKING TO OCCUR IN THE ENGINEERED RESINS.**

### II. Interior Maintenance:

- 1.) Before attempting the following maintenance procedures, turn off the power to the unit at the power supply panel (note: the breakers on the unit **DO NOT** turn the unit power supply off and the buss bars will be energized).
  - A. **EXPOSING THE KEY COMPONENTS:** PowerPort buss bar: **annually**, remove HyPower's patented snap-in/snap-out panels for visual inspection of **buss bar** and **panel** for excessive heating or loose connections, which should be tightened or replaced as necessary.
  - B. **MECHANICAL LUGS IN LIEU OF RING CONNECTORS:** In the cases where mechanical lugs are used instead of the ring connectors, it is very important that they be examined closely. Most mechanical lugs are made of aluminum and are very susceptible to **galvanic corrosion**. If the set screw cannot be tightened, replace the lug. If there appears to be corrosion around the copper to aluminum connection, remove the copper wire and clean. Coat the wire with anti-corrosion grease and re-tighten the assembly.
- 2.) The receptacles and breakers should be examined **annually** and if any sign of heating is evident, the receptacles and/or breakers should be replaced.
- 3.) **DO NOT SPRAY ANY SOLVENTS ON THE ELECTRICAL COMPONENTS. SOLVENTS WILL CAUSE STRESS CRACKING OF THE POLYMERIC MATERIALS.**

### III. Lighting Assembly:

- 1.) To test the lighting assembly, the photo cell should be covered with a piece of black tape and in approximately 2-3 minutes the bulb should illuminate. If not, the following items should be checked: photo cell and/or bulb.

### IV. Winterizing:

- 1.) The water system should be purged with air and each ball valve should be opened and closed after the system has been drained. This will remove the slug of water that remains in the ball. No other winterizing functions are required.

### V. Recommendation:

- 1.) HyPower strongly recommends that the purchaser of this product discuss all aspects of this quote and this product with their electrical contractor and any other interested parties before ordering. Appropriate drawings and cut-sheets are included in this quote as an attachment.
- 2.) **NFPA 303 – 5.20.2 – An inspection of all electrical wiring, ground connections, conduit, hangers, supports, connections, outlets, appliances, devices and portable cables installed or used in a marina, boatyard, boat basin or similar establishment shall be made at regular intervals to ensure a complete inspection at least annually.**  
*For more information on this requirement, refer to complete code – 5.20.*