



CABLE JUNCTION PEDESTAL

OPERATING AND MAINTENANCE MANUAL

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General Installation

GENERAL: The pedestal is shipped with a 2x4 pallet or runners secured to the fiberglass base flange with ¼" lag bolts. Remove any pallet material completely before placing in the ground. A 5/8-11 SS lifting nut welded on a SS backing plate which is bolted to the pedestal on both sides. This allows the pedestal to be lifted the same way a single phase is slung. The blind nut is positioned to lift uniformly whether the top is on or off.

EXCAVATION: Excavate an area larger than the base flange by at least 3" on all sides. **It is recommended to place the pedestal on 3-6" of compacted sand or gravel in order to maintain a level mounting surface, increase drainage, and to keep cables and ground connections clean.** The maximum burial depth is the top step just below the locking hasp. Final grade needs to be taken in to account when determining the burial depth. When installing against a slope, maintain a clearance of at least 8" from the ground to the hinges in order to remove the top.

INSTALLATION: Lifting with straps, as described above, lower the pedestal into the excavated hole. The top of the pedestal can easily be removed for installing the bottom over cables or conduits, pulling cables through conduit, installation of junctions, or termination of cables.

GROUNDING: The mounting bar comes with a ground connector which needs to be attached to the ground system. This grounds the entire mounting assembly.

TOP REMOVAL: Raise the top to the open position and let the support arm latch into place. The left support arm has a ¼" hex head bolt by ½" long on the end which secures it in the top clip slot. By removing this bolt the support arm can be disengaged from the top clip which allows the top to open past 90 degrees. At this point the top can be slid off the slip joint hinges in one direction. **Do not let the top lay back, only supported by the hinges, as this could cause damage to the hinges or top.** It may be necessary to tap the end of the top so the hinge pins will slide off.

To replace the top, align hinge pins and tap the top end. **On units with three hinges it is recommended to loosen the top half of the center hinge.** Using a 7/16" wrench, loosen the two nuts on the top center hinge. After sliding the hinges together, retighten the nuts before reinstalling the support arm and retaining bolt.

MOUNTING JUNCTIONS; Single phase units come standard with a single stainless steel mounting plate and parking clips attached on either side. The mounting plate needs to be removed in order to mount the junction. There are two 5/16" carriage bolts holding the plate in position. These bolts have a second nut located behind the plate which holds them in place when the plate is removed. The outer nuts holding the plate have nylon locking inserts which can gall if the bolt threads are contaminated by dirt or dust. **It is recommended to spray a lubricant on the bolt threads before removing the nuts.**

Three phase units come standard with an aluminum mounting bar and a sliding parking clip rail assembly. There is sufficient room behind the mounting bar to mount the junctions without taking the bar out. However, for easier junction mounting, the bar can be removed by taking out the two 3/8" carriage bolts holding it to the side bracket. **It is recommended to spray a lubricant on the bolt threads before removing the nuts to prevent any galling.** The head of the carriage bolt goes behind the bracket and mounting bar with the square neck fitting into the bracket slot. This keeps the bolt from spinning while tightening the nut from the front.

CABLE TERMINATION: It is recommended to leave slack cable in the bottom of the pedestal for future operations. Train cable to each junction and allow sufficient length for parking the cable. Terminate cable and elbows per industry standards.

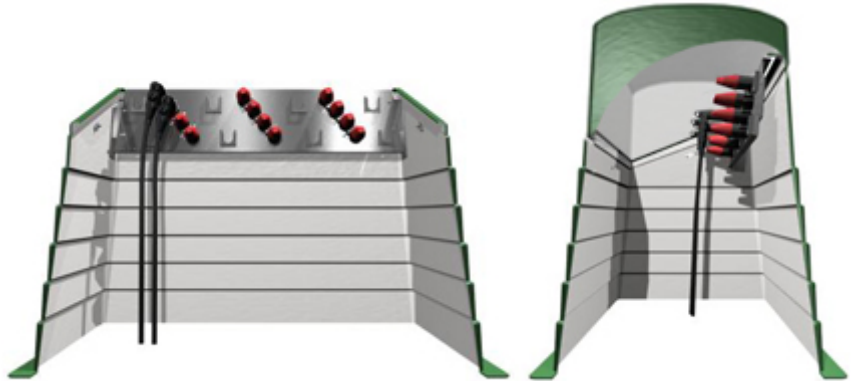
BACK FILLING: The pedestal top should be closed and latched before back filling. Use loose fill material to back fill and compact by hand only. **Uneven or over compacting by the use of a vehicle can cause distortion of the pedestal base and top.** It is recommended to use sand or gravel up next to the pedestal walls to within 6" of the ground line.

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Warranty & Limits of Liability



LIMITED ONE YEAR WARRANTY: Seller warrants that all products sold by it will be free of defects in material and workmanship under normal use and service for a period of one (1) year after the date of shipment by Seller. Seller's obligation under this warranty is limited to repair or replacing, at its option, any goods, which upon inspection by Seller shall disclose to Seller's satisfaction to have been defective in material or workmanship, excluding, however, expenses associated with removal or reinstallation of the products, such as transportation, labor, and the like.

EXCEPT AS EXPRESSLY STATED HEREIN, SELLER MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, AS TO MERCHANTABILITY OR AS TO FITNESS OF THE GOODS FOR A PARTICULAR USE OR PURPOSE AND SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECTLY OR INDIRECTLY, ARISING FROM THE USE OF SUCH GOODS OR FOR CONSEQUENTIAL DAMAGES.

LIMITS TO LIABILITY: Seller shall not be liable for and Buyer assumes responsibility for incidental damages or for special or consequential damages, such as, but not limited to, damage resulting from the handling, possession or use of the goods by Buyer, damage to or loss of other equipment, loss of profits or revenue, cost of substituted products, or any labor expended by Buyer on any defective goods. The liability of Seller arising out of the supplying of any goods, or their use, whether on warranties or claim of negligence or otherwise, shall not in any case exceed the price paid by Buyer for such products.

If there are any questions about the warranty, call Power Design at (541) 354-3222

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Gelcoat Repair Instructions

- (1) - Tube Liquid Hardener
- (2) - Mixing Cups
- (1) - Reusable Applicator
- (1) - 4 oz Gelcoat
- (1) - 4 oz Gelcoat w/ Putty
- (2) - Paint Brush
- (2) - Pair of Latex Gloves
- (2) - Sheets 80 Grit Sandpaper
- (1) - Instructions



Safety Note: For your safety and protection, it is advisable to wear eye protection and rubber gloves to complete the repair when the materials supplied are being used. No smoking or open flames near the materials are acceptable due to the flammability of the materials being used. When repairing, it is important that the vapors are not inhaled. If any of the liquid materials come in contact with the eyes, immediately flush eyes and eyelids with water for several minutes and consult a physician.

Working Conditions: Avoid working in direct sunlight. The best temperature to complete the repair is between 60 – 80 degrees F. Avoid working under damp, humid conditions. Work area should be well ventilated.

Step 1. To prepare the damaged gel-coat area for the repair to be made, first clean the damaged area of debris and then hand sand the area where the repair will be made. Be sure to rough up the surface that the repair will be made on to permit a proper bond for the patch/repair to be accomplished. It is advisable to sand a little more area than what is actually damaged. Use wide masking tape to mask off just the area to be repaired. This will protect the undamaged area from sanding.

Step 2. If the repair to be made is on a surface that is too irregular or requires a filler to be applied, use the gel-coat with filler. This will bring the surface up to a level that when the repair is made; it will be flush or even with the surface around it. Apply a top coat of gel-coat only on top of the filler for a more finished look. If damaged area is not too deep, just the gel-coat will be adequate.

Step 3. Mix the gel-coat w/filler or gel-coat with the catalyst, place the material in the mixing cup and add a small amount of catalyst and mix thoroughly. (The tube of catalyst is enough to harden the entire pint, so use it sparingly – 2% by weight is the ratio). Then apply moderate coat to the damaged area. Allow the patch to cure (approximately 30-45 minutes depending on the outside temperatures and humidity).

Storage of Repair Kit: Keep the repair kit in a cool place, this will help to lengthen the shelf life and keep the liquids in the best condition possible for later use.

If there are any questions about the repair to be made, or about the kit, call Power Design at (541) 354-3222

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