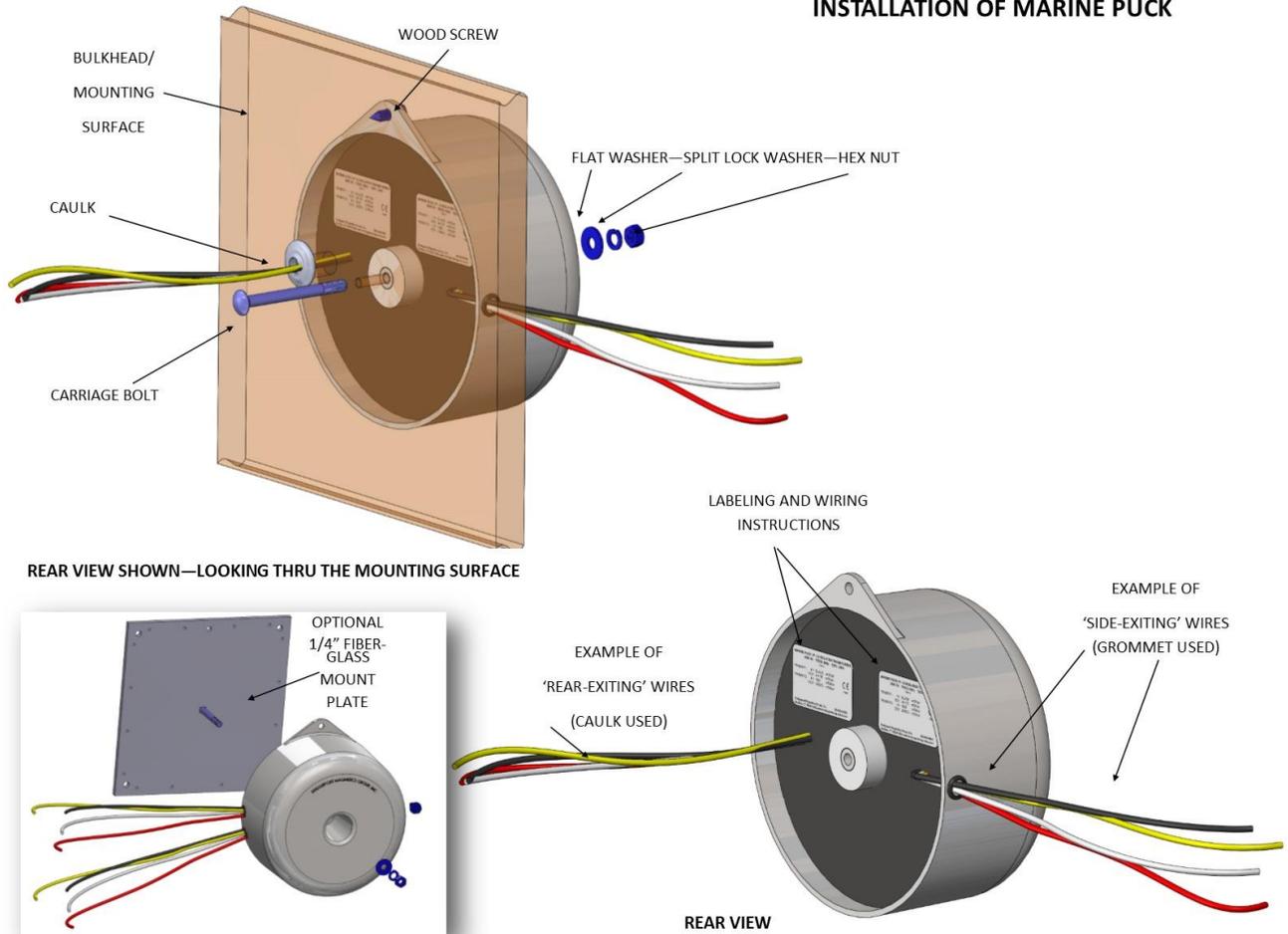


Marine-Puck Isolation Transformers

Installation Instructions

[PATENT PENDING]

INSTALLATION OF MARINE PUCK



Installation:

Marine-Puck mounts on top of or below deck or on a bulkhead, internally or externally. Input and output wiring may exit from the rear through the mounting surface or from the side of the **Marine-Puck** near the lower rim in any orientation. All models have two 120V primary and two 120V secondary windings which may be user connected in parallel for 120V and in series for 240V service. **MP3.6 leads are 12AWG (equal to 9AWG when used in parallel).** **MP6 wires are 10AWG (7AWG when in parallel).**

Wires are stranded, color coded leads striped for input, solid color for output.

Marine-Pucks are solid epoxy encapsulated with the epoxy surface set back about 0.75" from the rim. The space above the mounting surface may be used for user configuration and splicing purposes. Side exit (when desired) can be effected through user drilled holes near the lower rim of the plastic enclosure. (Use step drill)

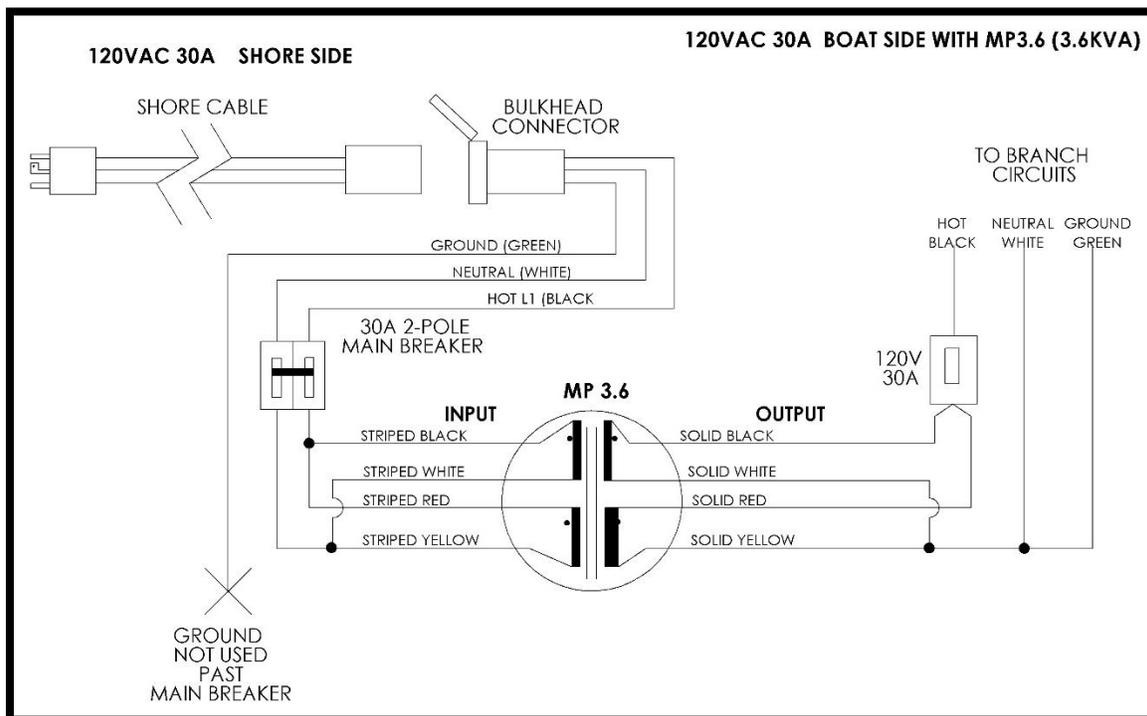
Installation: Marine-Puck may be user configured by connecting the dual 120V primary and secondary windings in parallel or in series when hard-wiring into input side or output side circuit breakers. Mounting by means of a central through carriage bolt or lag screw. 3/8" for MP3.6 and 1/2" for MP6. Please use a washer and lock washer (included) below the bolt head or nut. They are prevented from rotating by a single screw or bolt through the tap at the periphery.

A 1/4" thick fiberglass mounting plate is optional for installation onto carpet covered surfaces using 4 corner holes, or onto fiberglass-foam core partitions with finished rear surface by means of multiple 2 1/2" spaced sheet metal screws.

Use delayed action (D-curve) Input circuit breaker. Rare cases of nuisance tripping due to inrush current surge may be prevented by installing a pre-magnetizing device across the circuit breaker contacts.

Plug-In Protocol:

1. Turn off main on-board circuit breaker.
2. Turn off input circuit breaker.
3. Plug in to pedestal.
4. Turn on Input breaker.
5. Turn on on-board main breaker.



Specifications

	M-P 3.6	M-P 6	Dual M-P 6 (12 KVA)
Input voltage 60Hz AC	120V or 240V	120V or 240V	240V
Input current	30A or 15A	50A or 25A	50A
Output voltage	120V or 240V	120V or 240V	120V or 240V
Output current	30A or 15A	50A or 25A	100 or 50A
Impedance %	2.8	2.8	2.8
KVA Continuous	3.6	6.0	12.0
Insulation class	B 130 C	B 130C	B 130C
Hi-Pot test voltage	4000V AC RMS	4000V AC RMS	4000V AC RMS
Ambient temperature	-20 to +40 deg. C.	-20 to +40 deg. C	-20 to +40 deg. C
Dimensions	10"OD x 5" ht.	12.6"OD x 6.5" ht.	2 x 12.6" OD x 6.5" Ht.
Approximate weight	45 lbs.	75 lbs.	150 lbs.
Main mount	3/8" carriage bolt	1/2" carriage bolt	2 pc. 1/2" carriage bolt