

Dockhead 1 & 2

Power Outlet Boxes

Rugged all-weather power supply units for Docks and Marinas

Features

BASE INCLUDES:

- Available in 2 sizes, with or without mounting pedestal:
 - DH1 is 8" x 10"
 - DH2 is 10" x 12"
- Durable glass reinforced fiberglass material
- Analog water and kW meter available
- EPD or standard breakers available
- Weatherproof covers in up to 6 colors
- Water hook-up options (with pedestal)
- Allows from 2 (DH1) to 4 (DH2) receptacles (breakers are front mounted)
- Daylight sensing LED lighting in amber or white
- NEMA 3R rated



A. GENERAL

1. All materials and equipment used in the construction of the unit will conform to Underwriters Laboratories standards.
2. Unit shall be UL® listed as a complete assembly.
3. Unit shall be certified to meet all sections of NFPA® 303, Fire Protection Standards.
4. Unit shall meet 406.8 of the National Electrical Code NFPA® 70.
5. Installation is to be in accordance with local codes and approved by a local electrical inspector.
6. Country of Origin: USA

B. ENCLOSURE

1. Enclosure shall be hot compression molded in impact long fiber pre-impregnated glass-reinforced polyester which ensures greater uniform strength.
2. Enclosures are UL® listed to standard 508, suitable for outdoor use in corrosive environments.
3. Enclosure material is self-extinguishing, halogen free, with special ultra-violet stabilizers. Meets requirements of UL® 746C.

C. WIRING

1. The unit shall be unitized at the factory.
2. All wiring shall be copper tinned.
3. All wiring shall have color coding as follows:
 - Black-Line 1
 - Red-Line 2
 - Blue-Line 3
 - White-Neutral
 - Green-Equipment Ground

D. RECEPTACLES, BREAKERS, AND COVERS

1. Receptacles shall be of the corrosion resistant marine twist and locking type that meet NEMA® L-5 and L-6 requirements (except for 20 Amp GFCI which is not intended to supply power to boats).
 - a. 20 Amp, 125 V, GFCI Duplex Receptacle (Leviton GFWR2-W)
 - b. 30 Amp, 125 V, Locking Receptacle, NEMA L5-30 (Leviton 26CM-10)
 - c. 50 Amp, 125 V, Locking Receptacle, Non-NEMA (Leviton 6370CR)
 - d. 30 Amp, 125/250 V, Locking Receptacle, NEMA L14-30 (Leviton 2710-B)
 - e. 50 Amp, 125/250 V, Locking Receptacle, Non-NEMA (Leviton 6369CR)
2. Each receptacle shall be protected by a thermal magnetic breaker. Receptacles shall meet NFPA® requirements.
3. Each receptacle shall have a weatherproof, spring-loaded, gasketed, self-closing Lexan® cover. The cover shall have a coil spring pre-loading to ensure proper closing pressure and to provide a sealed enclosure from the marine environment when not in use.
4. Circuit breakers for the receptacles shall have weatherproof, spring- loaded, gasketed self-closing Lexan® covers. Breaker covers shall have a coil spring pre-loading to ensure proper closing pressure and to provide a sealed enclosure from the marine environment when not in use.
5. Receptacles and circuit breakers shall be UL approved.

E. LIGHTING

1. Each pedestal can be equipped with a non-metered light. The light shall be an LED light that is controlled by an electromechanical photocell and is protected by a fuse.
2. The light shall provide dock illumination such that indirect lighting extends from the pedestal to the dock.
3. The light shall not be a 360 degree light, nor shall it illuminate toward the boat slip which is considered to impede boaters' navigation.

F. GROUNDING

1. All exposed metallic parts must have an integral ground that is a part of the equipment grounding system.

G. CABLE TV/PHONE AND CAT5 (OPTIONAL)

1. If specified, unit shall be equipped with one or more outlets containing a standard marine grade telephone locking receptacle and one (1) male CATV connector under a weatherproof, spring-loaded, gasketed Lexan® cover.

H. TERMINAL BUS SYSTEM

1. Busbars shall be straight feed or loop feed, as specified.
2. All busbars shall be mounted with 316 stainless steel mounting hardware.
3. Single Phase Bus
 - a. Line-wire range 300-4 CU/AL, torque to maximum of 200 inch-pounds.
 - b. Load-wire range 6-14 CU/AL, torque to maximum of 35 inch-pounds.
4. Single Phase Loop Bus
 - a. Line-wire range (2) 300-4 CU/AL, torque to maximum of 275 inch-pounds.
 - b. Load-wire range 4-6 CU/AL torque to maximum of 35 inch-pounds, wire range 10-12 CU/AL torque to maximum 20 inch-pounds.
5. Single Phase Loop Studded Bus
 - a. Line-3/8 -16 stud, torque to maximum of 200 inch-pounds.
 - b. Load-(2) ¼ -20 stud, torque to maximum of 50 inch-pounds.
6. Three Phase Loop Bus
 - a. Line-300 MCM, torque to maximum 275 inch-pounds.
 - b. Load-5/16 stud, torque to maximum of 50 inch-pounds.

I. METERING (OPTIONAL)

1. If specified, the units shall be equipped with fully electronic digital kilowatt-hour meters that display the kilowatts used at each slip on a non-resettable electromechanical recorder counter that is weather and waterproof. The accuracy of these meters must meet or exceed American National Standards Institute C-12.1 specifications.

J. WATER (OPTIONAL)

1. If specified, unit shall be capable of providing up to two (2) 1/2" or 3/4" hose bibs with ¼ turn ball valves.
2. If specified, each ball valve shall be fitted with a brass back-flow preventer.

K. MOUNTING PEDESTAL (OPTIONAL)

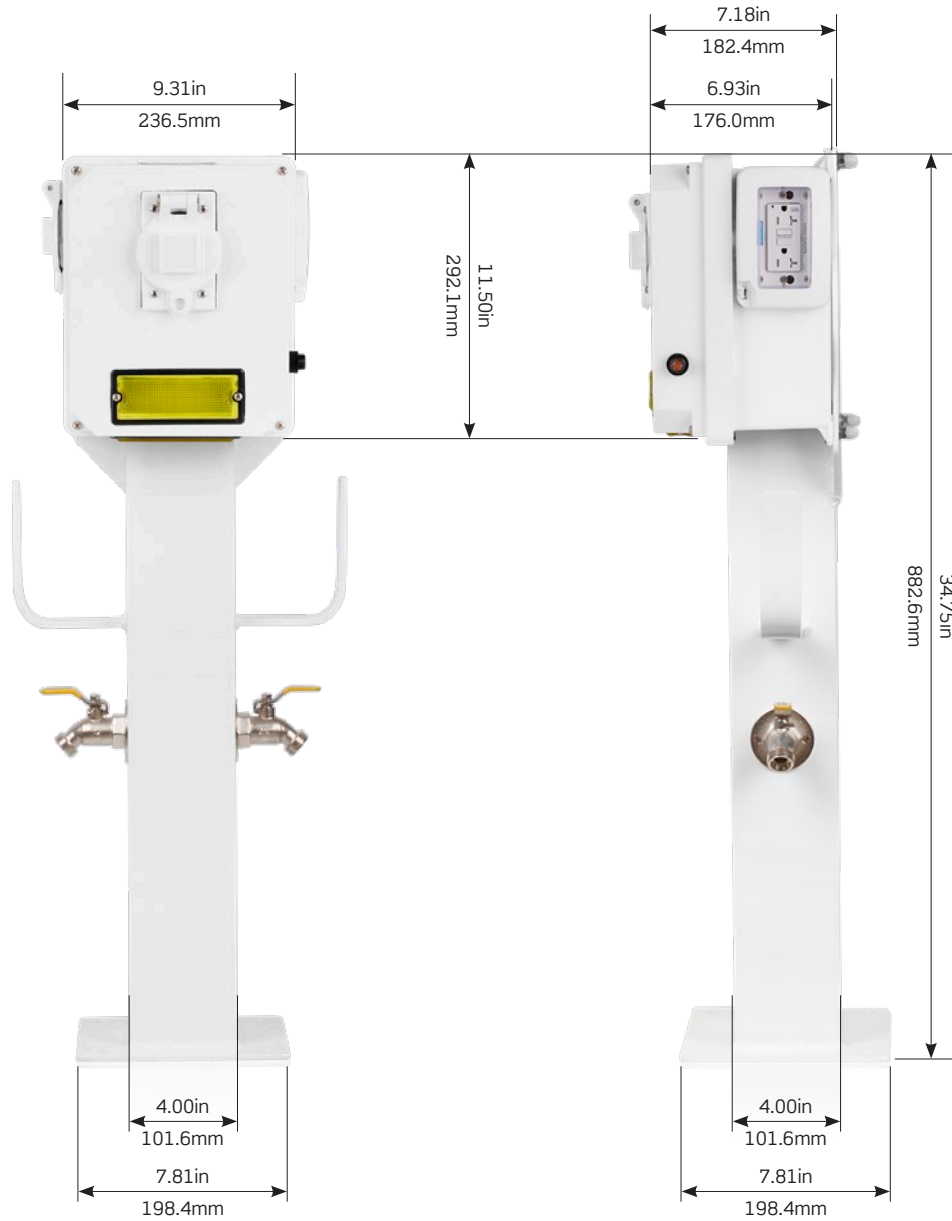
1. If specified, a mounting pedestal is available and shall be constructed of aluminum with a powder coated finish.

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BASIC DIMENSIONS

DOCKHEAD 1

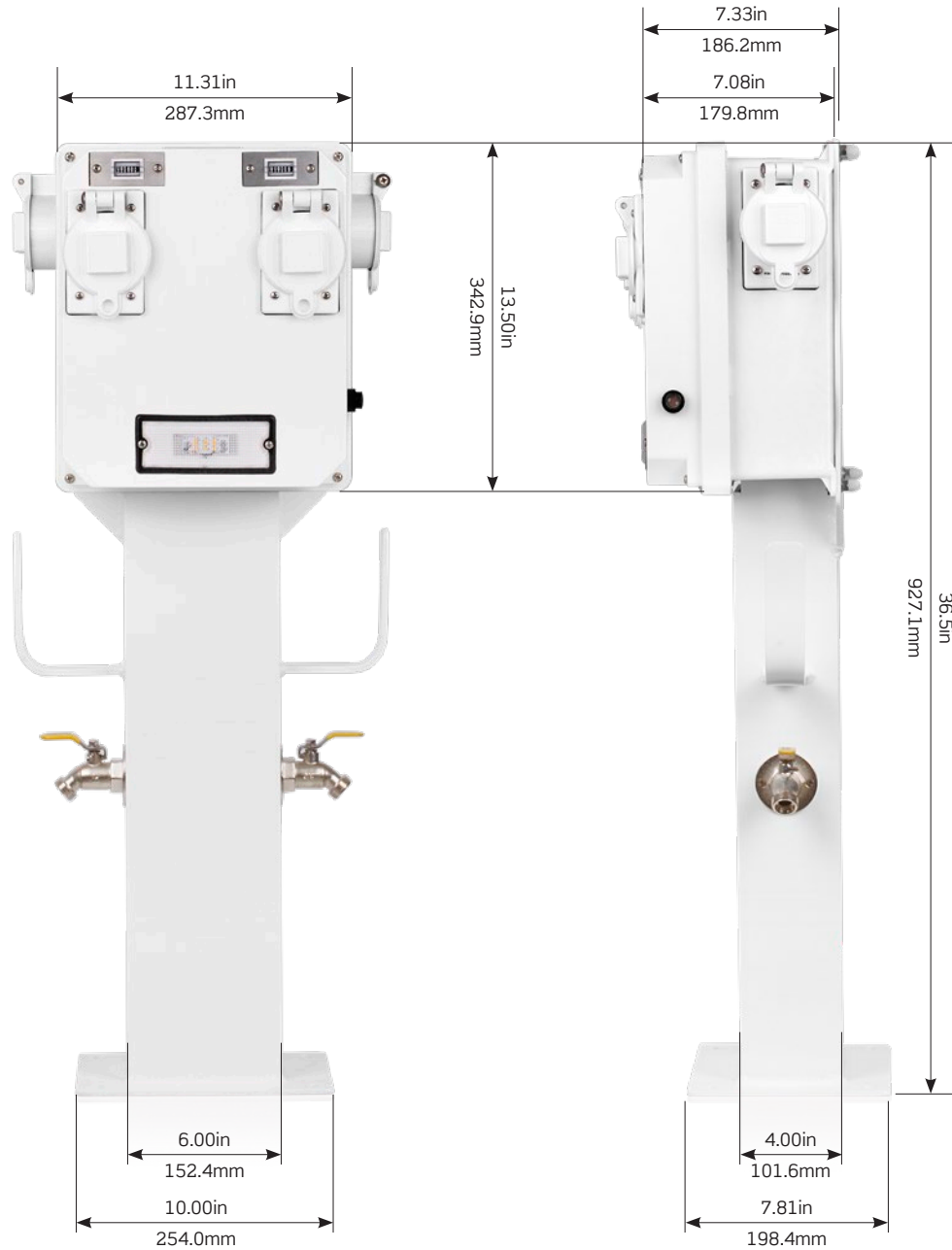
REPRESENTATIVE
IMAGE SHOWN
WITH OPTIONAL
MOUNTING PEDESTAL
(SOLD SEPARATELY)



BASIC DIMENSIONS

DOCKHEAD 2

REPRESENTATIVE
IMAGE SHOWN
WITH OPTIONAL
MOUNTING PEDESTAL
(SOLD SEPARATELY)



Visit our Website at:
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Q-1499A Dockhead

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