

# ProMariner®

## ProNautic

Automatic Digital Marine Battery Charger



## Series

# Helm Control & Remote Display Owner's Manual and Installation Guide



### Your Satisfaction is Important to Us!

Do not return this product to retailer or dealer for any service or warranty requirements.

Call our Customer Care Department at 800-824-0524 from 8:30 am to 5 pm (EST) for warranty, service or installation assistance.

PLEASE RECORD YOUR:

model number: \_\_\_\_\_ serial number: \_\_\_\_\_ date of purchase: \_\_\_\_\_

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Thank you from all of us at Professional Mariner, LLC and congratulations on the purchase of your ProNautic Helm Control & Remote Display. The ProNautic C3 battery charger is the latest in advanced on-board marine battery chargers. With the addition of the ProNautic Helm Control & Remote Display you will be able to monitor and remotely control your charger.

This product is designed to be used aboard a cruiser, sail, yacht or commercial vessel where the remote will not be exposed to water. Recommended installation is in a navigation station or dry flying bridge.

## Recommended Tools for Installation

- 3/8" (9.5mm) bit is recommended when drilling the through hole for the 8 pin connector
- 1/8" (6.3mm) bit is recommended to drill the hole for #6 screws or bolts.
- Jig saw or similar cutting device
- Mounting Hardware required: 2 self tapping #6 screws, or 2 machine screw #6
- **Mounting hardware not included**

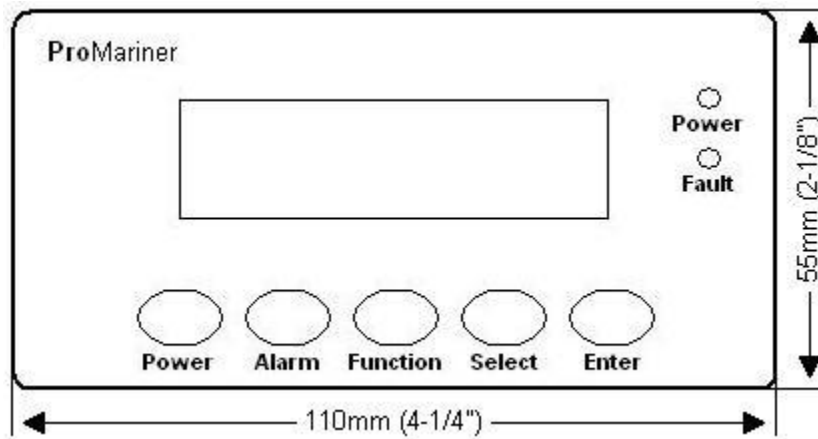
## Installation

Mount the remote where it will not be exposed to water – *water damage is not covered by warranty*. NOTE: The remote is designed for surface mounting only.

- a. Disconnect power to the ProNautic Charger
- b. Locate the ProNautic Remote in an appropriate dry location.
- c. Using the template in this manual on page 2, mark the location of the two mounting screws and the square plug cut out.
- d. Drill the two mounting screw locations using a 1/8" (6.3mm) drill.
- e. Drill a hole for the square plug as shown on the template using a 3/8" (9.5mm) drill.
- f. Use your jig saw to finish squaring off the plug hole. Use care when cutting, **do not over cut**.
- g. Feed the 8 pin wire through the bulkhead and connect to the ProNautic Remote.
- h. Secure the Helm Control from the back. **NOTE:** ProNautic Remote can only accept 1/2" screw length (using longer screws may cause the screw to pierce through the front of your remote.) *This damage is not covered under warranty.*
- i. Connect the 8 pin wire to charger –see picture
- j. Apply power to charger. NOTE: When AC power is applied to charger ProNautic remote will automatically power on; the backlight always defaults to off.

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## Dimensions and Template for Mounting



## Template for Mounting



## Setup and Operation

### Power and Start Up:

- a. To turn the unit on press **Power** once.
- b. "ProMariner LLC 1-800-824-0524" will display for 5 seconds.
- c. "Select pwr level" displays next, counts down from 20 seconds and defaults to ON. Please note that during the count down the charger is in soft start mode and is not supplying DC power.
- d. ProNautic charger model will display for 5 seconds; also displayed is the rotary selector switch setting. Example: Display "POS 2" indicates rotary switch position 2. For information on rotary switch settings please see your ProNautic Owner's manual.
- e. Charger mode will display: Fast Charge, Absorption, or Float
- f. Status of charger, voltage and amperage will display.

## Button Operation

### a. **Power:**

1. Press **Power** charger switches to standby mode.
2. Press **Power** charger powers on.

### b. **Alarm:**

1. Press **Alarm** to turn audible alarm OFF.
2. Press **Alarm** to turn audible alarm ON.
3. Press the **Enter** button, the alarm will perform as selected.

### c. **Function:**

**Function** button will allow you to scroll through the various options. Press the **Select** button to start the desired function. Press the button to scroll through all functions available. Press once for each step.

Function Menus Include:

#### **I. Power Level**

1. Press the **Select** button, the display will scroll through "80 Percent", "60 Percent", "40 Percent", and then back to "100 Percent" with each press of the button.
2. Press the **Enter** button, the displayed power level will be activated immediately.

## II. Back Light/ Illuminating the remote

1. Press the **Select** button, changes OFF to ON.
2. Press the **Select** button, changes ON to OFF.
3. Press the **Enter** button, the backlight will perform as selected.

## III. Scrolling

The scrolling feature allows the ProNautic Remote to automatically scroll through the menu functions. In scroll mode, the display will change every 4 seconds.

1. Press the **Select** button, changes OFF to ON.
2. Press the **Select** button, changes ON to OFF.
3. Press the **Enter** button, the scroll function will perform as selected.

## IV. Force to Float

NOTE: The force to float mode should only be used under specific circumstances, when using two ProNautic Charger's connected to one remote. The force to float mode is not necessary for standard operation.

1. Press the **Select** button, changes OFF to ON.
2. Press the **Select** button, changes ON to OFF.
3. Press the **Enter** button, the force to float will perform as selected.

## V. Audible Alarm

The alarm turns on if a fault is detected.

Alarms include:

Low battery voltage- alarm sounds when battery voltage drops below 12.5 volts DC or 25.0 volts DC for a 24 volt configuration.

High battery voltage- Contact ProMariner Technical Support

Charger over temperature- Contact ProMariner Technical Support

Battery over temperature- Contact ProMariner Technical Support

1. Press the **Select** button, changes alarm ON to OFF.
2. Press the **Select** button, changes alarm OFF to ON.
3. Press the **Enter** button, the audible alarm will perform as selected.

## VI. Standby Mode

The standby mode is not necessary for standard operation; it shuts the charger off. Your remote will still display while in standby however the charger will not be producing current. This may cause the ProNautic Remote to display a low battery voltage alarm.

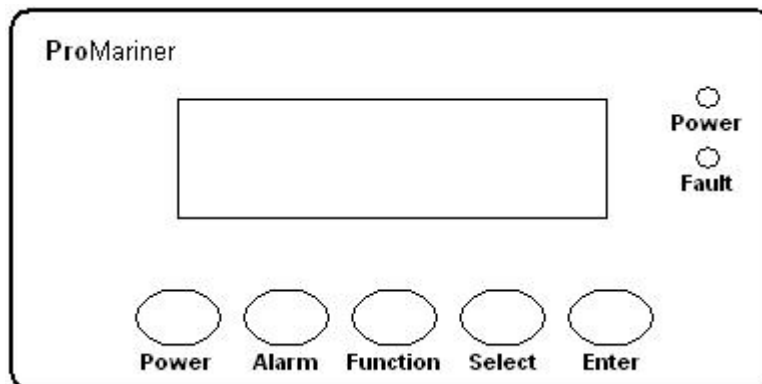
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## d. **Select**

To manually toggle through available charger information press **Select** button once for each readout.

“Select” Menus Include:

- 1- Absorption status with voltage and amperage
- 2- Output power displayed as a percentage
- 3- Charger temperature
- 4- Transformer temperature
- 5- Battery temperature
- 6- Charger run time
- 7- Total charger run time
- 8- Software version
- 9- ProMariner contact info
- 10- Charger Name
- 11- Absorption time to go
- 12- Status screen or main menu



## **Customer Service & Warranty**

We are committed to customer satisfaction and value your business. If at any time during the warranty period you experience a problem with your new ProNautic Remote, simply email [info@promariner.com](mailto:info@promariner.com) call us at 1-800-824-0524 or you can visit our website at: [www.promariner.com](http://www.promariner.com) for frequently asked questions & technical support.

WARRANTY CARD CAN BE REGISTERED AT [WWW.PROMARINER.COM](http://WWW.PROMARINER.COM)

Or the warranty card included in this manual can be completed and sent to ProMariner by mail.

### ProNautic Helm Control & Remote Display LIMITED FIVE-YEAR FACTORY WARRANTY

Each ProNautic Remote is guaranteed against defects in material and workmanship to the original consumer in normal use for 5 years from the date of purchase. Professional Mariner, LLC will at its discretion repair or replace free of charge any defects in material or workmanship. The following conditions apply:

- Warranty is calculated from manufacture date if not registered within two weeks of sale.
- Warranty void if unauthorized repairs attempted.
- Water damage is not covered by warranty.
- Customer is responsible for returning the product to Professional Mariner, LLC. Inbound shipping costs must be prepaid.
- This warranty does not cover blemishes due to normal wear and tear or damages caused by accidents, abuse, alterations or misuse.
- Cosmetic repairs can be done at owner's request and expense.

Purchase or other acceptance of the product shall be on the condition and agreement that Professional Mariner SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. (Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.) This warranty is made in lieu of all other obligations or liabilities on the part of Professional Mariner. Professional Mariner neither assumes nor authorizes any person for any obligation or liability in connection with the sale of this product. To make a claim under warranty, go to [www.promariner.com](http://www.promariner.com) and click on the support tab and follow the instructions making sure to identify the product and the problem. If you can not use our online warranty claim registration, please feel free to call Professional Mariner at the toll free number listed below. Professional Mariner will make its best effort to repair or replace the product, if found defective within the terms of the warranty, within 30 days after return of the product to the company. Professional Mariner will ship the repaired or replaced product back to the purchaser.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

This warranty is in lieu of all others expressed or implied.

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