



A Pontoonstuff Web Retailer

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EZP-012 Fully Wired Snap Together Five Switch Panel with Voltmeter Installation Instructions

Your new Five Switch Panel Kit contains the following items

- 1 - Five Switch panel fully wired with Horn and Nav/Anc Switch Caps
- 3 - Accessory Switch caps
- 1 - Docking Light Switch cap
- 1 - Courtesy Light Switch cap
- 1 - Bilge Pump Switch cap
- 1 - Livewell Switch cap
- 1 - Stereo Switch cap
- 2 - 10 amp breakers
- 4 - #6 x 3/4" Stainless Steel mounting screws
- 2 - EZH-012 - 6" Accessory adaptors
- 1 - EZH-009 - 6" Power plug adaptor
- 1 - EZH-006 - 72" Accessory plug extension cord
- 1 - EZH-007 - 120" Panel Accessory plug to component cord

Installation

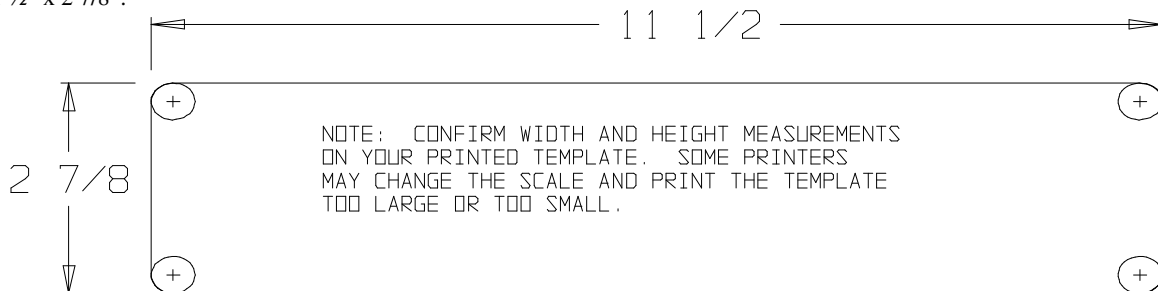
IMPORTANT Disconnect the battery, battery charger, inverter, shore power cable, or any other type of power source on the boat.

Remove the existing switch panel from boat. If replacing your boat harness using one of the EZ harnesses, make a diagram of your existing boat wiring or take a photo. Pay close attention to wire color and devices these wires are connected to. Remove entire boat accessory harness. Do not remove engine control harness that connects between your engine, your ignition switch, and your instrumentation.

Make a diagram of your existing switch wiring or take a photo. Pay close attention to wire position and color. This will be very helpful

If applicable, remove existing fuse block.

Determine location of new panel. Ensure that there is nothing in the way on the back of the mounting location before cutting. Cut out a rectangular hole that is 11 1/2" x 2 7/8".



Secure panel using 4 #6 x 3/4" oval head screws

Switch Selection

Choose any 2 of the provided 8 switch caps to control function on your boat. Simply snap the switch caps onto the switch bodies that are already installed in the switch panel. The wiring behind the panel is universal. The switch order is your preference.

Electrical Connections

Switch Wiring

The remaining 2 switches are prewired with their power and switch light ground. You will need to connect the control wire based on the function you have chosen for the switch. All the wires are labeled and following a common color code.

- Brown/Orange – Aerator
- Brown – Bilge Manual
- Brown/Red – Bilge Auto
- Blue – Courtesy Light
- Gray/Black – Docking Lights
- Orange - Accessory

For example, if your docking light switch is the first switch next to your Navigation/Anchor light switch, you will connect the Gray/Black wire labeled “Docking Lights” to the back of this switch. Simply slide this wire connector onto the empty position on the back of the switch (Pos 3). This switch will now control your docking lights.

Bilge Pump Special Wiring

If your boat is equipped with an automatic bilge pump, you will need to add two wires to your switch (Brown and Brown/Red). The Brown wire will connect to the empty position on the back of the switch (Pos 3). The Brown/Red will connect with the Red wire that is already in Position 2. Remove the Red wire from position 2 on your bilge pump switch. Connect the Red wire to the Piggy-back terminal on the Brown/Red wire, and connect the combination of wires back on the switch. This configuration will provide constant (unswitched) power to the bilge auto switch and switched power to the manual bilge pump.

Additional 10 Amp Breakers

If you experience nuisance tripping from your docking lights (high draw halogen) or Stereo, you will need to swap out the 5 amp breaker in the panel with one of the additional 10 AMP breakers provided in the kit.

12 Position Helm to Boat Harness Connector

- Connects to any EZ boat harness.
- Connects to 6” power jumper to allow connection to old boat harness.

3 Position Accessory Connectors (Black, Red, and Orange)

- Provides Switched power, power, and ground for accessory
 - Black – Ground
 - Red – Constant power
 - Orange – Switched power
- Easily connection to all EZ accessory harnesses

6” Power Jumper Installation

- Connects EZ switch panel to existing boat harness.
- Allows electrical connection to boat harness without modifying switch panel wiring.
- Using your diagram, photos, and a multimeter connect your wires:
 - Black – Ground – Must go to battery or negative buss
 - Brown/Orange – Aerator
 - RED – 12v power
 - Gray/Black – Docking Lights
 - Gray/Blue – Anchor/Stern Light
 - Gray/Green – Navigation/Bow Light
 - Orange/White – Horn
 - Brown – Bilge Manual
 - Blue – Courtesy Light
 - Brown/Red – Bilge Auto
- If boat doesn’t have these components, simply tie up the unused wire and save it for when you add that component.

Final details

- Reconnect battery
- Confirm that all circuit work properly
- Tie up extra wires with nylon cable ties or equivalent