WeatherDeck® Waterproof Circuit Breaker Panels
PN 4374 / PN 4376 / PN 4378

Designed for open-cockpit and flybridge applications

• Includes 15A, Push Button Reset-Only Circuit Breaker installed in each position
• Green LEDs illuminate circuit labels
• Backlighting is compatible with DeckHand Dimmers
• Independent label backlighting allows switching and dimming
• Integrated switch guards reduce the risk of accidental switching
• Panels can be mounted in four different orientations
• Panel front rated waterproof IP67 when properly mounted with the watertight mounting gasket
• UV stabilized weather-resistant faceplate snaps on and off providing access to components and concealing mounting screws
• Square Format Label Set 4215 included

Specifications

Maximum Operating Voltage	24V DC
Maximum Operating Amperage	15A @ 12V DC (per circuit)
	9A @ 24V DC (per circuit)
Backlight Operating Current (Amperage)	10mA/Illuminated Circuit
Panel Cumulative Rating	45A
Switch Rating	15A Maximum
Backlighting Voltage	12 or 24V DC
Backlighting Amperage Draw	10mA/Illuminated Circuit
Circuit Breaker Type	Thermal Trip, Manual Reset-Only
Circuit Breaker Rating	15A installed, others available
Material: Cover	UV Resistant Thermoplastic
Panel	UL-V0 Flame Resistant Thermoplastic

Regulatory
Waterproof IP67—Protected against immersion up to 1 meter for 30 minutes

PN	Positions	Voltage	Width in (mm)	Height in (mm)	Depth in (mm)	Width Mounting Centers in (mm)	Height Mounting Centers in (mm)
4374	4	12V / 24V DC	4.25 (107.95)	4.30 (109.22)	3.50 (88.90)	3.69 (93.73)	3.74 (95.00)
4376	6	12V / 24V DC	4.25 (107.95)	6.00 (152.40)	3.50 (88.90)	3.69 (93.73)	5.44 (138.18)
4378	8	12V / 24V DC	4.25 (107.95)	7.70 (195.58)	3.50 (88.90)	3.69 (93.73)	7.14 (181.36)

Specifications subject to change. See bluesea.com for additional information and specifications

Installation

⚠ CAUTION ⚠
CAUTION symbol refers to a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
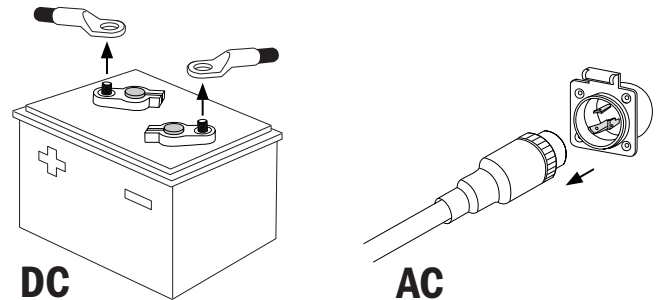
⚠ WARNING ⚠
WARNING symbol refers to a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION ⚠

☑ If you are not knowledgeable about electrical systems, consult an electrical professional.

☑ If the panel front is to be exposed to water, it must be properly sealed to the surface. The included gasket must be in place and the panel screwed down securely.

☑ Panel switches are not ignition proof—the panel must NOT be installed in an explosive environment such as a gasoline engine room or battery compartment.
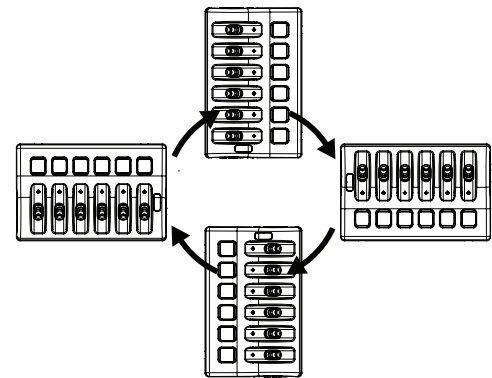
⚡ WARNING ⚡

1. **Before beginning electrical installation, disconnect all AC and DC power sources.**
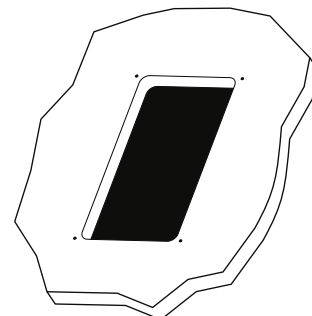

DC   **AC**

⚡ WARNING ⚡

2. **Select mounting location and panel orientation away from flammable areas. Panel can be mounted in any of the four orientations shown below.**
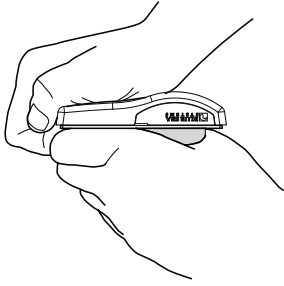

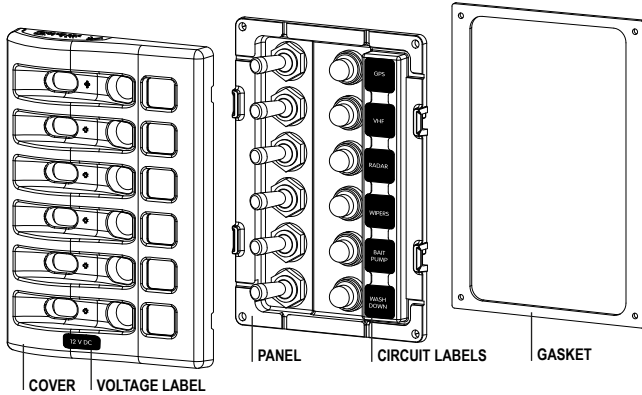3. **Cut opening with template provided.**

Installation (continued)

4. To remove cover, apply heal of hand to label area and pull back on the cover edge.
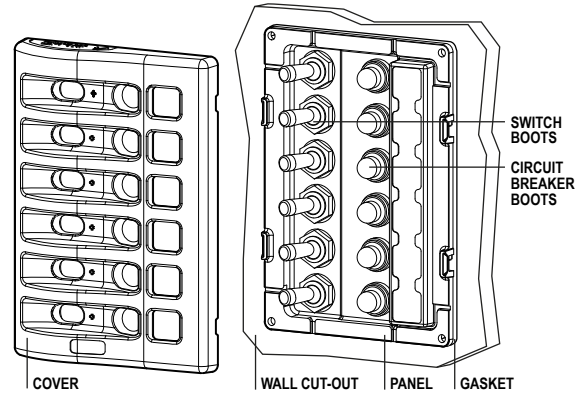
Apply 12V DC or 24V DC label and circuit labels.

Check that appropriately sized circuit breakers are installed for each device.

| COVER | VOLTAGE LABEL | | PANEL | CIRCUIT LABELS | GASKET |

5. Securely tighten switch and circuit breaker boots.

Mount panel in cutout with provided gaskets and screws.

Reattach the cover

SWITCH BOOTS

CIRCUIT BREAKER BOOTS

| COVER | | WALL CUT-OUT | PANEL | GASKET |

Application Example

6. Make connections as per diagram at right.

a. Connect + 12V DC or + 24V DC to the 12 AWG wire supply harness.

b. Connect positive side of each appliance to a switch output terminal. Connect the negative side to DC negative.

c. For label backlighting, connect your boat's +12V or +24V DC to the appropriate quick connect terminal. Cover the unused terminal with the supplied protective boot.

d. For label backlighting, connect the quick connect terminal marked –NEG to your boat's DC negative.

To Battery Positive
+12V DC
OR
+24V DC
To Battery Positive

Legend
DC Positive ———
DC Negative - - - - - - - -

EXAMPLE DEVICES

STEREO

HORN

GPS

FISH FINDER

BILGE PUMP

VHF

PN 4316 shown for illustration purposes

WIRE HARNESS (BUS) Connect adequate gauge supply wire and circuit protection for safe operation up to Panel Cumulative Rating.

FUSE

COMMON BUSBAR