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› Blue Sea Systems 7088 120 Amp Circuit Breaker Panel Mount 285 Series User Manual

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Blue Sea Systems 7088 120 Amp Circuit Breaker Panel Mount 285 Series User Manual

Model: 7088

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INTRODUCTION

This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your Blue Sea Systems 7088 120 Amp Circuit Breaker. Please read this manual thoroughly before installation and retain it for future reference. This circuit breaker is designed for panel mounting and provides overcurrent protection for electrical systems.



Image: Blue Sea Systems 7088 120 Amp Circuit Breaker, showing its compact design and terminals.

SAFETY INFORMATION

WARNING: Electrical work should only be performed by qualified personnel. Always disconnect power before installing or servicing this device. Failure to do so may result in serious injury or death. Ensure all wiring complies with local and national electrical codes.

- Do not exceed the specified current and voltage ratings.
- Ensure proper ventilation around the circuit breaker.
- Use appropriate wire gauges for the current load.
- Protect terminals from accidental short circuits.

SETUP AND INSTALLATION

- 1. Choose Mounting Location:** Select a dry, protected panel location that allows for adequate ventilation and access to terminals.
- 2. Prepare Panel Cutout:** Create a cutout in the panel according to the dimensions provided in the specifications section. Ensure the cutout is clean and free of burrs.
- 3. Mount the Breaker:** Insert the circuit breaker into the panel cutout. Secure it using the provided mounting hardware. Ensure it is firmly seated.
- 4. Wire Connections:**
 - Connect the positive input wire to the "BATTERY" terminal.
 - Connect the positive output wire to the "LOAD" terminal.
 - Ensure all connections are tight and secure to prevent resistance and overheating.
 - Use insulated terminals where appropriate.
- 5. Verify Installation:** Double-check all wiring connections for correctness and security. Ensure no bare wires are exposed.

OPERATING INSTRUCTIONS

The Blue Sea Systems 7088 circuit breaker is designed for simple operation, providing reliable overcurrent protection.

- **To Engage (ON):** Push the lever or button to the "ON" position. This connects the circuit, allowing current to flow.
- **To Disengage (OFF):** Push the lever or button to the "OFF" position. This disconnects the circuit, stopping current flow.
- **Trip Condition:** In the event of an overcurrent, the circuit breaker will automatically trip to the "OFF" position, protecting the circuit.
- **Resetting After Trip:** Before resetting, identify and resolve the cause of the overcurrent. Once the issue is resolved, push the lever or button firmly to the "ON" position to reset the breaker. If the breaker immediately trips again, do not force it; investigate further.

MAINTENANCE

The Blue Sea Systems 7088 circuit breaker requires minimal maintenance. Regular inspection is recommended to ensure optimal performance and safety.

- **Periodic Inspection:** Annually inspect the circuit breaker and its connections for signs of corrosion, loose wiring, or physical damage.
- **Cleaning:** Keep the circuit breaker clean and free of dust and debris. Use a dry, soft cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Terminal Check:** Periodically check terminal screws for tightness. Loose connections can cause resistance, heat buildup, and potential failure.
- **Environmental Protection:** Ensure the mounting environment remains dry and within the specified operating temperature range.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Breaker trips repeatedly.	Overload on the circuit; short circuit; faulty appliance.	Reduce load on the circuit; inspect wiring for shorts; test connected appliances.
Breaker does not reset.	Persistent overload/short; internal breaker fault.	Ensure the cause of the trip is resolved. If it still doesn't reset, the breaker may be faulty and require replacement.
Breaker feels hot.	Overload; loose connections; inadequate ventilation.	Check current draw; tighten all connections; ensure proper airflow around the breaker.

If troubleshooting steps do not resolve the issue, contact a qualified electrician or Blue Sea Systems customer support.

SPECIFICATIONS

- **Model:** 7088
- **Brand:** Blue Sea Systems
- **Current Rating:** 120 Amps
- **Voltage Rating:** 120 Volts
- **Circuit Breaker Type:** Standard, Thermal-Magnetic (285 Series)
- **Mounting Type:** Panel Mount
- **Number of Poles:** 1
- **Dimensions (Approximate):** 8.82 x 4.88 x 1.77 inches (Package Dimensions)
- **Weight (Approximate):** 4.2 ounces
- **UPC:** 632085070885
- **Operating Temperature:** Consult manufacturer's datasheet for specific range.

WARRANTY AND SUPPORT

For specific warranty information, please refer to the official Blue Sea Systems website or contact their customer service directly. Blue Sea Systems products typically come with a limited warranty covering defects in materials and workmanship.

Customer Support:

- **Website:** www.blueseasystems.com
- **Contact:** Refer to the website for contact forms, email addresses, or phone numbers.

When contacting support, please have your product model number (7088) and purchase date available.

