BEP CLB05

BEP Marinco CLB05 C/B Push RESET-5A/BULK Circuit Breaker Instruction Manual

Model: CLB05

1. Introduction

This manual provides essential information for the safe and effective use of the BEP Marinco CLB05 C/B Push RESET-5A/BULK Circuit Breaker. This device is designed to protect electrical circuits from overcurrent conditions, preventing damage to equipment and ensuring safety. Please read this manual thoroughly before installation and operation.

2. Safety Information

WARNING: Electrical shock hazard. Installation and servicing should only be performed by qualified personnel.

- Always disconnect power before installing, servicing, or removing the circuit breaker.
- Ensure the circuit breaker's current rating (5 Amps) matches the requirements of the circuit it is protecting.
- Do not use this device in environments exceeding its specified operating conditions.
- Never bypass or tamper with the circuit breaker.
- Verify all connections are secure and properly insulated to prevent short circuits.

3. Product Overview

The BEP Marinco CLB05 is a compact, push-to-reset thermal circuit breaker. It features a single pole design and is intended for plug-in mounting.

Figure 3.1: Front view of the BEP Marinco CLB05 Circuit Breaker, showing the black housing and the silver push-button reset mechanism at the top.

Figure 3.2: Side view of the BEP Marinco CLB05 Circuit Breaker, illustrating the compact design and the electrical terminals at the bottom for connection.

4. Setup and Installation

1. **Power Disconnection:** Before beginning installation, ensure that all power to the circuit where the breaker will be installed is completely disconnected. Use appropriate lockout/tagout procedures.
2. **Mounting:** The CLB05 is designed for plug-in mounting. Identify the appropriate receptacle or mounting point in your electrical panel or system.

3. **Wiring:** Connect the circuit's load and power wires to the designated terminals on the circuit breaker. Ensure correct polarity if applicable and tighten all terminal screws securely to prevent loose connections, which can cause overheating.
4. **Verification:** Double-check all connections for correctness and security. Ensure no bare wires are exposed.
5. **Power Restoration:** Once installation is complete and verified, restore power to the circuit.

5. Operating Instructions

The BEP Marinco CLB05 is a thermal circuit breaker that automatically trips (opens the circuit) when an overcurrent condition occurs. This protects the connected equipment from damage.

- **Normal Operation:** In normal operation, the circuit breaker allows current to flow through the circuit.
- **Tripped State:** If an overcurrent or short circuit occurs, the circuit breaker will trip, interrupting the flow of electricity. The push-button reset mechanism will typically pop out or change position to indicate a tripped state.
- **Resetting the Breaker:**
  a. Identify and resolve the cause of the overcurrent (e.g., unplug faulty device, reduce load).
  b. Once the fault is cleared, firmly press the reset button on the circuit breaker until it clicks into place.
  c. If the breaker immediately trips again, do not force it. There is still an unresolved fault in the circuit. Disconnect power and investigate further.

6. Maintenance

The BEP Marinco CLB05 Circuit Breaker requires minimal maintenance. Regular inspection is recommended to ensure optimal performance and safety.

- **Visual Inspection:** Periodically inspect the circuit breaker for any signs of physical damage, discoloration, or loose connections.
- **Cleaning:** If necessary, gently clean the exterior of the breaker with a dry, lint-free cloth. Do not use liquid cleaners or solvents.
- **Testing:** While not typically required for routine maintenance, qualified personnel may perform functional tests to verify proper tripping and resetting.

7. Troubleshooting

Problem	Possible Cause	Solution
Breaker trips frequently.	Overloaded circuit, short circuit, faulty appliance.	Reduce load on the circuit. Disconnect appliances one by one to identify faulty one. Inspect wiring for short circuits.
Breaker does not reset.	Persistent fault in the circuit, internal damage to breaker.	Ensure fault is cleared. If still unable to reset, the breaker may be damaged and require replacement.

Problem	Possible Cause	Solution
No power to circuit, breaker not tripped.	Upstream power issue, loose connection.	Check main power supply. Inspect all connections to the breaker and in the circuit.

If troubleshooting steps do not resolve the issue, consult a qualified electrician or contact BEP customer support.

8. Specifications

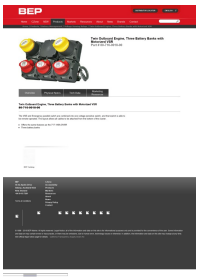
Attribute	Value
Brand	BEP
Model	CLB05
Current Rating	5 Amps
Circuit Breaker Type	Standard, Thermal
Mounting Type	Plug-In Mount
Number Of Poles	1
Item Weight	2.08 ounces (59 grams)
ASIN	B07NKSHV9G

9. Warranty and Support

For information regarding warranty coverage, technical support, or replacement parts for your BEP Marinco CLB05 Circuit Breaker, please refer to the official BEP website or contact their customer service department directly. Keep your purchase receipt as proof of purchase.
BEP Marine Official Website: www.bepmarine.com

Related Documents - CLB05

	BEP Wireless Remote and Receiver Instructions - Installation and Programming Guide Comprehensive instructions for installing and programming the BEP Wireless Remote and Receiver system. Includes specifications, wiring diagrams, and programming procedures for marine and vehicle applications.

	[BEP 2023 Product Catalog: Marine & Mobile Electrical Solutions] Explore the 2023 BEP product catalog, showcasing advanced electrical solutions for marine, emergency vehicle, industrial, and RV applications. Discover innovative battery management systems, circuit protection, switches, and meters designed for harsh environments, backed by BEP's commitment to quality and global support.
	[BEP Twin Outboard Engine, Three Battery Banks with Motorized VSR] Discover the BEP Twin Outboard Engine, Three Battery Banks with Motorized VSR (Part # 80-716-0018-00). This voltage-sensitive switch combines VSR and emergency parallel functions, designed for remote operation and efficient cable management from the bottom of the cluster. It offers features similar to the 717-140A-DVSR and supports three battery banks for comprehensive marine battery management.
	[Battery Distribution Cluster for Twin Outboard Engine with Three Battery Banks] The BEP 717-140A-DVSR Battery Distribution Cluster is designed for twin engine marine installations, enabling efficient charging of port start, starboard start, and house batteries. It allows combined charging from both engines to the house battery and supports charging the house battery even when operating on a single engine, ensuring optimal power management for marine vessels.
	[Bally BEP Extended Profile Evaporator: Product Data and Installation Guide] Comprehensive product data, installation instructions, selection charts, electrical specifications, and wiring diagrams for Bally BEP Generation D & E Extended Profile Evaporators.
	[BEP Wireless Remote and Receiver Instructions - Installation and Programming Guide] Comprehensive instructions for installing and programming the BEP Wireless Remote and Receiver system. Includes specifications, wiring diagrams, and programming procedures for marine and vehicle applications.