

BEP 701-S

BEP Marine Master Battery Switch Mini Contour 701-S User Manual

1. INTRODUCTION

This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your BEP Marine Master Battery Switch Mini Contour, model 701-S. Please read this manual thoroughly before installation and use to ensure proper functionality and to prevent damage or injury. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The BEP Marine Master Battery Switch Mini Contour 701-S is a compact selector switch designed for marine applications. It provides a simple and economical method for separating and managing two battery banks. Its design incorporates removable side plates and a back cover for flexible installation options.



Figure 1: BEP Marine Master Battery Switch Mini Contour 701-S. This image shows the compact design of the battery switch with its red rotary knob and gray housing, indicating the 'OFF' position and a battery symbol for selection.

3. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in electric shock, fire, or serious injury.

- Always disconnect all power sources before installing or servicing the battery switch.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Install the switch in a dry, well-ventilated area, protected from direct exposure to water unless specifically rated for

such conditions (IP54 rating indicates protection against dust and splashing water).

- Use appropriate wire gauges for the current draw to prevent overheating. Consult marine electrical standards.
- Do not operate the switch if it appears damaged or if any connections are loose.
- Seek assistance from a qualified marine electrician if you are unsure about any part of the installation or operation.

4. INSTALLATION

4.1 Pre-Installation Checklist

- Verify all power to the battery system is disconnected.
- Gather necessary tools: screwdrivers, wire strippers, crimpers, mounting hardware.
- Ensure adequate space for mounting and access to the switch.

4.2 Mounting the Switch

1. Choose a suitable mounting location that is easily accessible and protected from physical damage.
2. The switch features removable side plates and a back cover, allowing for flexible cable entry and mounting configurations. Remove these as needed for your installation.
3. Mark the mounting holes using the switch as a template.
4. Drill pilot holes if necessary.
5. Secure the switch using appropriate fasteners (not included).

4.3 Wiring Connections

The 701-S is designed as a selector switch for two battery banks. It utilizes screw terminals for secure connections.

1. Identify the positive (+) terminals for Battery 1, Battery 2, and the Common Load terminal. Refer to the diagram on the switch or included wiring schematic (if provided separately).
2. Connect the positive (+) cable from Battery 1 to the Battery 1 terminal on the switch.
3. Connect the positive (+) cable from Battery 2 to the Battery 2 terminal on the switch.
4. Connect the positive (+) cable leading to your boat's electrical system (load) to the Common Load terminal.
5. Ensure all connections are tight and free from corrosion.
6. Re-install any removed side plates or back cover.

Note: BEP Marine recommends isolated battery systems for optimal performance and safety. Ensure your system design aligns with best practices for marine electrical installations.

5. OPERATION

The BEP Marine Master Battery Switch Mini Contour 701-S operates manually via a rotary actuator. It typically features positions for Battery 1, Battery 2, and OFF.

- **OFF:** In this position, all battery banks are disconnected from the load. This is the recommended position when the vessel is unattended or during maintenance.
- **Battery 1:** Select this position to connect Battery Bank 1 to the vessel's electrical system.
- **Battery 2:** Select this position to connect Battery Bank 2 to the vessel's electrical system.
- **Switching:** To switch between battery banks or to the OFF position, rotate the knob firmly to the desired setting. Avoid switching under heavy load if possible to minimize arcing and wear on the contacts.

After installation, turn the switch to the desired battery bank position (e.g., Battery 1) and verify that power is supplied to your vessel's electrical system.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your battery switch.

- **Cleaning:** Periodically clean the exterior of the switch with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Connection Check:** Annually, or more frequently in harsh marine environments, inspect all wiring connections for tightness and corrosion. Loose or corroded connections can lead to resistance, heat buildup, and power loss.
- **Visual Inspection:** Check the switch housing for any signs of physical damage, cracks, or discoloration.

Always ensure power is disconnected before performing any maintenance that involves touching electrical connections.

7. TROUBLESHOOTING

If you experience issues with your BEP Marine Master Battery Switch, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
No power to electrical system when switch is ON.	Battery discharged.	Check battery voltage and charge if necessary.
	Loose or corroded wiring connections.	Inspect and tighten all connections, clean any corrosion.
	Blown fuse or tripped circuit breaker in the system.	Check and replace fuses or reset breakers.
	Faulty switch.	If all else fails, test the switch for continuity.
Intermittent power.	Loose connections. Internal switch contact issues.	Inspect and tighten all connections. If problem persists, the switch may need replacement.

If troubleshooting steps do not resolve the issue, contact BEP Marine customer support or a qualified marine technician.

8. SPECIFICATIONS

Feature	Detail
Model	701-S
Brand	BEP
Product Dimensions (L x W x H)	4 x 4 x 4 inches
Weight	1 Pound
Operation Mode	Manual
Connector Type	Screw Terminals
Circuit Type	2-way (Selector for two battery banks)




Feature	Detail
Actuator Type	Rotary
International Protection Rating	IP54 (Protected against dust and splashing water)
Number of Positions	Typically OFF, Battery 1, Battery 2 (Functionally 3 positions for selection, though listed as '2' for battery banks)
Control Method	Touch (Refers to manual rotary operation)
ASIN	B005W2F72C




9. WARRANTY AND SUPPORT

For specific warranty information regarding your BEP Marine Master Battery Switch Mini Contour 701-S, please refer to the documentation provided at the time of purchase or contact your retailer. Warranty terms and conditions may vary. For technical support or further assistance, please contact BEP Marine customer service through their official website or the contact information provided by your authorized dealer.

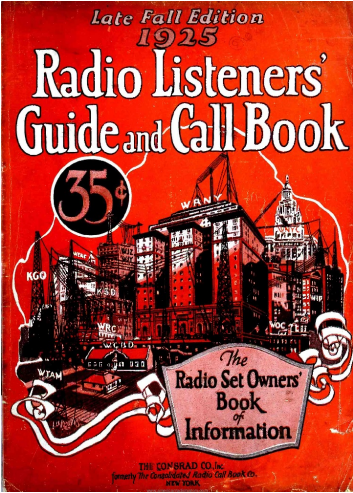
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Related Documents - 701-S

	<p>Battery Distribution Cluster for Twin Outboard Engine with Three Battery Banks</p> <p>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.</p>
	<p>BEP 2023 Product Catalog: Marine & Mobile Electrical Solutions</p> <p>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.</p>
	<p>BEP Twin Outboard Engine, Three Battery Banks with Motorized VSR</p> <p>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.</p>

	<p>Bally BEP Extended Profile Evaporator: Product Data and Installation Guide</p> <p>Comprehensive product data, installation instructions, selection charts, electrical specifications, and wiring diagrams for Bally BEP Generation D & E Extended Profile Evaporators.</p>
	<p>BEP 600-TLM-N Contour Matrix Tank Monitor Installation and Operating Instructions</p> <p>This document provides installation and operating instructions for the BEP 600-TLM-N Contour Matrix Tank Monitor. It covers features, dimensions, wiring diagrams, operation, notes on calibration, alarms, and programming.</p>
	<p>CZone DDS User & Installation Manual V1.0</p> <p>User and installation manual for the CZone DDS (Dynamic Digital Switching) module, detailing its features, installation, configuration, and specifications for marine electrical systems.</p>

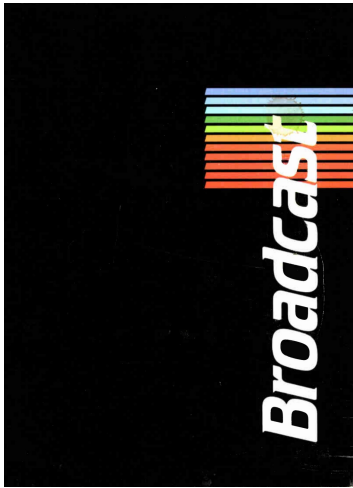
Documents - BEP – 701-S



[Radio Listeners' Guide and Call Book - 1925](#)

A comprehensive guide for radio listeners from 1925, covering broadcast station operation, troubleshooting radio sets, and battery care. Features information on radio parts, vacuum tubes, and various radio receiver types.

lang:en score:17 filesize: 19.68 M page_count: 114 document date: 2014-05-24



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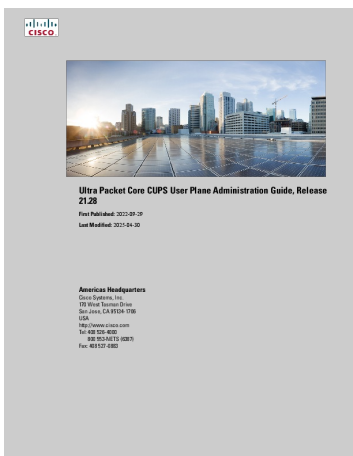
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[Ultra Packet Core CUPS User Plane Administration Guide, Release 21.28](#)

Comprehensive guide for Cisco Ultra Packet Core CUPS User Plane administration, covering configuration, features, call flows, monitoring, and troubleshooting for mobile core networks.

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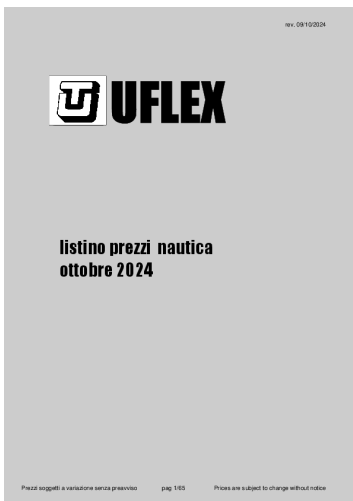
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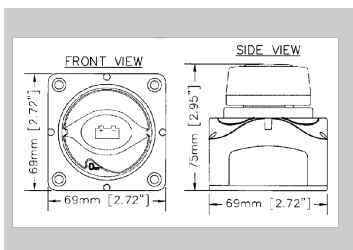


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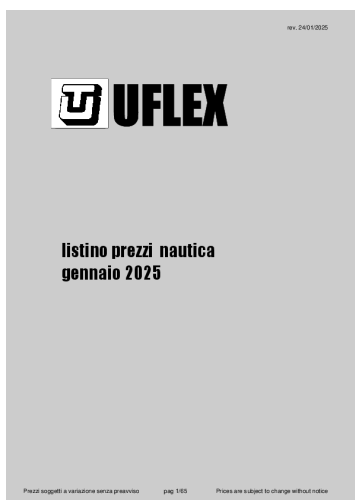


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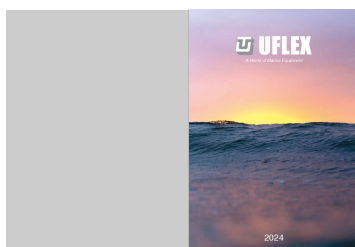


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A World of Marine Equipment 2024 HIGHLIGHTS AQUATIC AV Kit GP100W GP100B pag. 31 VERATRON MARI ... QUADRI ELETTRICI E STRUMENTAZIONE DI BORDO 187 SWITCHESPERGESTIONE BATTERIE SELETTOREPERBATTERIE **701-S** - 64387R Il selettore per batterie mod. **701-S** il pi compatto selettore disponibile sul mercat...

lang:it **score:11** filesize: 29.42 M page_count: 335 document date: 2023-09-06

Test Aid schematic 35-412 is in this document after "Display Panel" section.

QUICK REFERENCE INDEX

To aid in quickly locating a particular section, the index entries on the edge of this page are aligned with asterisk marks on the first page of each section.

GENERAL DESCRIPTION

PROCESSOR

Test Aid Control, 5.9 (Pg 13)

WRITABLE CONTROL STORE

2K WRITABLE CONTROL STORE

MEMORY

EXTENDED SELECTION CHANNEL

DISPLAY PANEL

GRAMMOS

[Perkin-Elmer M83 Series 8/32, 8/32C, and 8/32D Processors Maintenance Manual](#)

This manual provides detailed information for operating, installing, and maintaining the Perkin-Elmer M83 Series 8/32, 8/32C, and 8/32D Processors, covering their architecture, block diagrams, part numbering system, and technical specifications.

lang:en score:9 filesize: 34.64 M page_count: 438 document date: 2018-05-26