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> Cutler Hammer CH230 2-Pole 30-Amp Circuit Breaker Instruction Manual

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Model: CH230

IMPORTANT SAFETY INFORMATION

WARNING: Installation and service of this circuit breaker must be performed by a qualified electrician in accordance with all applicable electrical codes and standards. Failure to follow these instructions can result in serious injury, death, or property damage. Always turn off the main power supply at the service panel before working on electrical circuits.

This manual provides instructions for the safe and proper use of the Cutler Hammer CH230 2-Pole 30-Amp Circuit Breaker. Read all instructions carefully before installation or operation. Keep this manual for future reference.

PRODUCT OVERVIEW

The Cutler Hammer CH230 is a 2-pole, 30-amp replacement circuit breaker designed for use in Cutler-Hammer load centers. It provides overcurrent protection for electrical circuits.



Image: Front view of the Cutler Hammer CH230 2-Pole 30-Amp Circuit Breaker, showing its compact design and labeling.

Key Features:

- **2 Pole, 30 Amp:** Provides protection for 240-volt circuits.
- **Type CH:** Specifically designed for compatibility with Cutler Hammer load centers.
- **Space Requirement:** Occupies two 3/4-inch spaces within the load center.
- **Manufacturer:** Produced by Eaton, under the Cutler Hammer brand.

SETUP AND INSTALLATION

This circuit breaker is intended for use in 120/240-Volt applications. Typical applications include, but are not limited to, hot water heaters, clothes dryers, air conditioners (240V, up to 36,000 BTU), and electric motors (240V, 1-1/2 hp to 3 hp).

1. **Safety First:** Before beginning any work, ensure the main power to the electrical panel is completely shut off at the utility meter or main disconnect. Verify power is off using a voltage tester.
2. **Panel Access:** Carefully remove the cover of the Cutler-Hammer load center.
3. **Identify Location:** Locate two adjacent 3/4-inch spaces within the load center where the new breaker will be installed.
4. **Installation:**
 - Hook the rear of the breaker onto the retaining clip in the load center.
 - Press the front of the breaker firmly onto the bus bar until it clicks into place.
 - Connect the circuit wires to the appropriate terminals on the breaker. Ensure all connections are tight and secure.
5. **Verify Connections:** Double-check all wiring for correctness and security.
6. **Restore Power:** Replace the load center cover. Turn the main power back on.
7. **Test:** Test the circuit to ensure proper operation.

Important: Always consult and comply with local electrical codes and regulations before undertaking any electrical project. If you are unsure about any step, contact a licensed electrician.

OPERATION

The Cutler Hammer CH230 circuit breaker operates automatically to protect electrical circuits from overloads and short circuits.

- **Normal Operation:** In normal conditions, the breaker switch will be in the "ON" position, allowing electricity to flow through the circuit.
- **Tripped Condition:** If an overload or short circuit occurs, the breaker will automatically "trip" to the "OFF" or center position, interrupting the flow of electricity to prevent damage to wiring and appliances.
- **Resetting a Tripped Breaker:**
 - a. First, identify and correct the cause of the trip (e.g., unplug overloaded appliances).
 - b. Move the breaker switch firmly to the full "OFF" position.
 - c. Then, move the switch firmly to the "ON" position.
 - d. If the breaker immediately trips again, do not attempt to reset it. Contact a qualified electrician to investigate the issue.

MAINTENANCE

Circuit breakers generally require minimal maintenance. However, periodic inspection is recommended.

- **Visual Inspection:** Periodically inspect the circuit breaker and surrounding area within the load center for any signs of damage, discoloration, or loose connections. This should only be done by a qualified professional with the power off.
- **Keep Clear:** Ensure the electrical panel area remains clear of obstructions and debris to allow for proper ventilation and access.
- **Cleaning:** Do not attempt to clean the internal components of the circuit breaker. If cleaning the exterior of the load center, ensure power is off and use a dry cloth.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Breaker trips frequently.	Overloaded circuit, short circuit, or ground fault.	Reduce the load on the circuit by unplugging appliances. Inspect for damaged wiring or faulty appliances. If the problem persists, contact a qualified electrician.
Breaker will not reset.	Persistent overload, short circuit, or internal breaker fault.	Ensure the cause of the trip has been resolved. If it still won't reset after moving to full "OFF" then "ON", do not force it. Contact a qualified electrician.
No power to circuit, but breaker is "ON".	Loose connection, faulty wiring, or internal breaker failure.	Turn off main power. Inspect connections at the breaker and outlets (only if qualified). If connections are secure, the breaker may be faulty. Contact a qualified electrician.

SPECIFICATIONS

Brand	Cutler Hammer (by Eaton)
Model	CH230
Current Rating	30 Amps
Number of Poles	2
Voltage	240 Volts (120/240V)
Circuit Breaker Type	Standard, Thermal-Magnetic
Mounting Type	DIN Rail Mount (for CH load centers)
Product Dimensions (D x W x H)	2.6"D x 1.5"W x 3.4"H
Item Weight	8 ounces
UPC	767674985841, 782113101804
ASIN	B000BLJEX2

WARRANTY INFORMATION

This Cutler Hammer CH230 Circuit Breaker comes with a **2-year warranty** from the manufacturer. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, refer to the documentation provided with your product or contact the manufacturer directly.

SUPPORT

For technical assistance, installation questions, or troubleshooting beyond the scope of this manual, please contact a qualified and licensed electrician. For product-specific inquiries or warranty service, contact Cutler Hammer (Eaton) customer support.

Manufacturer: Cutler Hammer (Eaton)

