

Connecticut Electric UBIP1520

Connecticut Electric UBIP1520 Pushmatic Replacement 15/20 Amp Twin Circuit Breaker User Manual

Model: UBIP1520

1. INTRODUCTION

The Connecticut Electric UBIP1520 is a newly manufactured replacement circuit breaker designed for use in Pushmatic load centers that accept Pushmatic style circuit breakers. This twin-pole breaker provides two circuits in the space of one, offering a 15/20 Amp capacity at 120 Volts AC. It is intended to replace existing Pushmatic P1520 breakers.

This manual provides essential information regarding the safe installation, operation, and maintenance of your UBIP1520 circuit breaker. Adherence to these instructions is crucial for proper function and safety.

2. SAFETY INFORMATION

WARNING: Working with electricity can be dangerous and may result in serious injury or death. This product should only be installed by a qualified electrician or a person with appropriate electrical knowledge and experience.

- Always turn off the main power supply to the electrical panel before attempting any installation, inspection, or maintenance. Verify power is off using a voltage tester.
- Circuit breakers should only be replaced with new, tested, and Safety Agency Listed circuit breakers. Never use refurbished or used breakers.
- Consult and comply with all local electrical codes and regulations before starting any electrical project.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 Warning).
- Ensure proper wire gauge is used for the circuit's amperage rating.
- Do not attempt to bypass or modify the circuit breaker.

3. PRODUCT OVERVIEW AND FEATURES

The Connecticut Electric UBIP1520 is a high-quality replacement circuit breaker designed for reliability and safety.

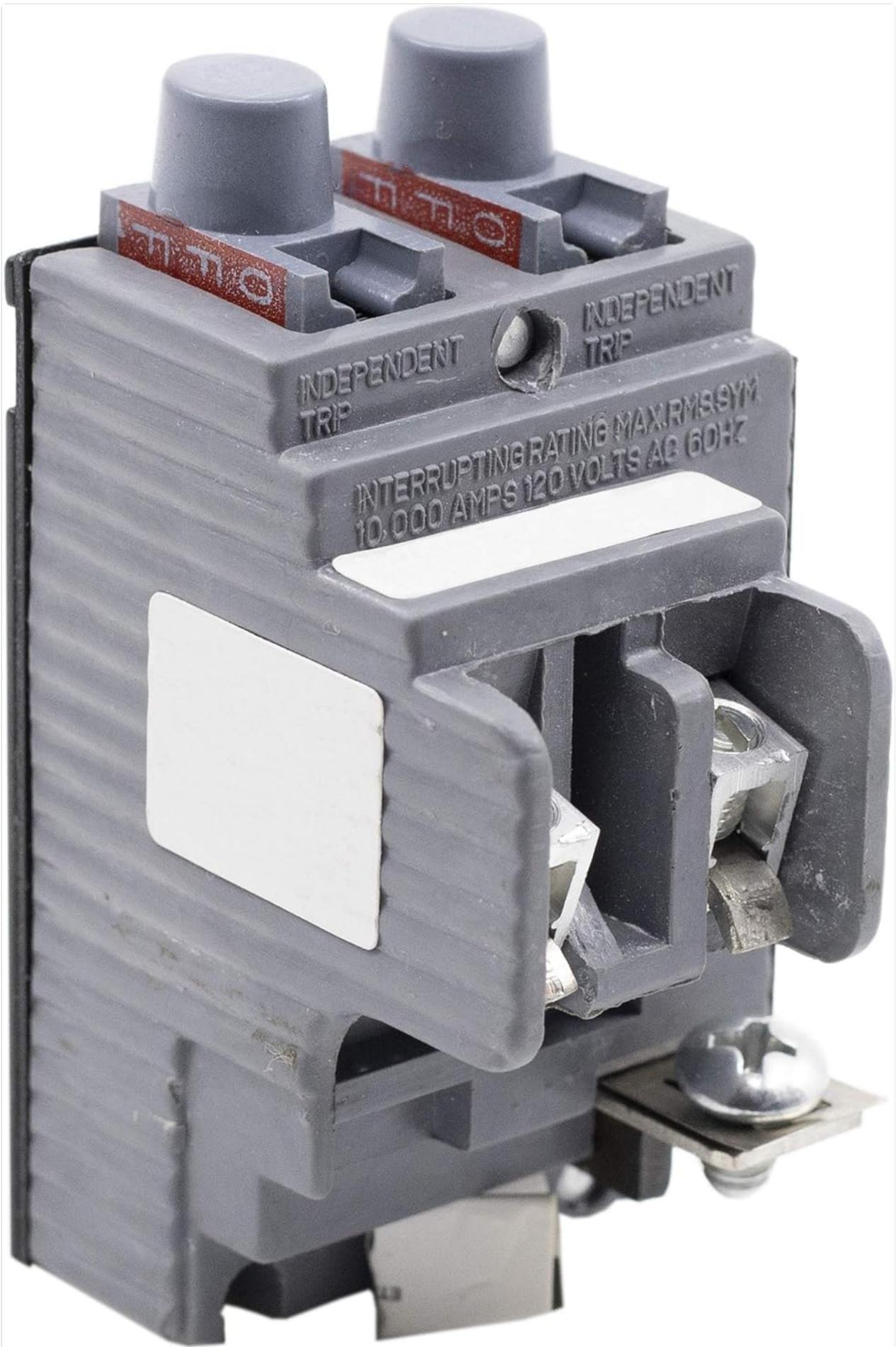
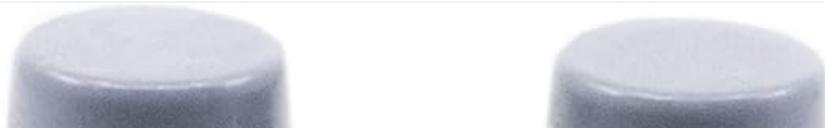


Figure 1: Angled view of the UBIP1520 circuit breaker.



INDEPENDENT
TRIP

INDEPENDENT
TRIP

INTERRUPTING RATING MAX. RMS. SYM.
10,000 AMPS 120 VOLTS AC 60HZ

GE
INCO





Figure 2: Front view of the UBIP1520 circuit breaker.

Key Features:

- **Replacement Breaker:** Specifically designed for Pushmatic load centers.
- **Class CTL:** Suitable for use in CTL listed panels.
- **Safety Agency Listed:** Intertek ETL Listed to UL Standard 489 for US and Canada.
- **High Interrupting Capacity:** 10,000 AIC (Amperes Interrupting Capacity).
- **Dual Amperage:** 15/20 Amp twin series.
- **Voltage Rating:** 120 VAC.
- **Two Circuits in One:** Provides two independent circuits within a single breaker space.



Twin 15A/20A

Twin 15A/20A



10,000
AIC

10,000 AIC



ETL Listed

ETL Listed



NEWLY
MANUFACTURED

Newly Manufactured

4. SETUP AND INSTALLATION

The UBIP1520 circuit breaker is designed for straightforward installation in compatible Pushmatic load centers. However, due to the electrical nature of this product, professional installation is highly recommended.

Installation Steps (General Guidance):

1. **Safety First:** Ensure the main power to the electrical panel is completely shut off at the utility meter or main disconnect. Confirm zero voltage with a reliable voltage tester.
2. **Identify Slot:** Locate the appropriate slot in your Pushmatic load center for the new twin circuit breaker.
3. **Prepare Wires:** Strip the insulation from the circuit wires to the length specified by the load center or breaker terminals.

4. **Connect Wires:** Securely connect the circuit wires to the appropriate terminals on the UBIP1520 breaker. Ensure all connections are tight.
5. **Install Breaker:** Carefully insert the breaker into the load center, ensuring it is properly seated and makes firm contact with the bus bar.
6. **Air Space:** As indicated on the product, ensure there is at least 1/4 inch of air space at the bottom of the breaker for proper ventilation.



Figure 3: Bottom view indicating required air space.



Figure 4: Breaker designed for Pushmatic panels.

If you are uncomfortable performing this work, seek the assistance of a qualified electrician.

5. OPERATING INSTRUCTIONS

Circuit breakers are safety devices designed to protect electrical circuits from damage caused by overcurrent or short circuits. The UBIP1520 provides two independent circuits.

Normal Operation:

- When the breaker is in the 'ON' position, power is supplied to the connected circuit.
- Typical applications for this 15/20 Amp breaker include fixed lighting circuits, branch circuits, wall receptacles, electric motors (1/4 hp to 1/2 hp), attic fans, and garbage disposals.

Resetting a Tripped Breaker:

If an overcurrent or short circuit occurs, the breaker will automatically 'trip' to the 'OFF' position, interrupting power to the circuit. To reset a tripped breaker:

1. **Identify Cause:** Disconnect or turn off any appliances or devices on the affected circuit that may have caused the overload.
2. **Fully OFF:** Push the breaker handle firmly to the full 'OFF' position. You may feel a click.
3. **Turn ON:** Push the breaker handle firmly to the 'ON' position.
4. If the breaker immediately trips again, do not attempt to reset it repeatedly. There may be a persistent fault in the circuit. Consult a qualified electrician.

6. MAINTENANCE

The Connecticut Electric UBIP1520 circuit breaker is designed for long-term, maintenance-free operation under normal conditions. Regular maintenance is generally not required for the breaker itself.

Recommended Practices:

- **Periodic Inspection:** Periodically, a qualified electrician should inspect the electrical panel and all circuit breakers for any signs of wear, damage, or loose connections.
- **Cleanliness:** Ensure the area around the circuit breaker and within the electrical panel remains clean and free of dust, debris, or obstructions.
- **Avoid Overloading:** Do not consistently overload circuits, as this can reduce the lifespan of the breaker and pose a fire hazard.

Do not attempt to open or repair the circuit breaker. If a breaker is faulty, it must be replaced with a new, equivalent unit.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your circuit breaker.

Breaker Trips Frequently:

- **Overload:** The most common cause. Too many devices or high-power appliances are drawing more current than the circuit is rated for. Unplug some devices or move them to another circuit.
- **Short Circuit:** A direct connection between hot and neutral wires, or hot and ground wires. This can be

caused by damaged appliance cords, faulty wiring, or a defective appliance. Immediately unplug all devices from the circuit and inspect for visible damage. If the breaker still trips, contact an electrician.

- **Ground Fault:** Similar to a short circuit, but current flows to the ground. This often triggers a GFCI (Ground Fault Circuit Interrupter) if present, but can also trip a standard breaker.
- **Faulty Appliance:** A defective appliance connected to the circuit may be causing the trip. Try isolating appliances one by one.
- **Defective Breaker:** Although rare for new breakers, a breaker can sometimes fail. If all other causes are ruled out, the breaker itself might need replacement.

Breaker Will Not Reset:

- Ensure you are pushing the handle fully to the 'OFF' position before attempting to push it to 'ON'.
- A persistent short circuit or severe overload will prevent the breaker from resetting. Do not force it. Investigate the circuit for faults.
- If the breaker feels unusually stiff or does not engage properly, it may be defective and require replacement.

If you are unable to resolve an issue, or if you suspect a serious electrical problem, immediately contact a qualified electrician.

8. SPECIFICATIONS

Feature	Specification
Brand	Connecticut Electric
Model Number	UBIP1520
Current Rating	15/20 Amps (Twin)
Voltage	120 Volts AC
Circuit Breaker Type	Standard, Class CTL
Mounting Type	Wall Mount (for Pushmatic load centers)
Number of Poles	2
Interrupting Rating	10,000 AIC
Material	Copper (terminals)
Item Weight	3.2 ounces
Product Dimensions	2 x 1.5 x 3 inches
UPC	094925031126

9. WARRANTY INFORMATION

The Connecticut Electric UBIP1520 circuit breaker comes with a **10-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service.

For specific warranty terms, conditions, and claim procedures, please refer to the official Connecticut Electric

warranty documentation or contact customer support.

10. SUPPORT AND CONTACT

For technical assistance, warranty claims, or further information regarding your Connecticut Electric UBIP1520 circuit breaker, please contact Connecticut Electric customer support.

Please have your model number (UBIP1520) and purchase date available when contacting support.

Manufacturer: Connecticut Electric

For the most current contact information, please visit the official Connecticut Electric website or refer to your product packaging.