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## Schneider Electric HOM2200

# Schneider Electric HOM2200 Miniature Circuit Breaker User Manual

Model: HOM2200

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## INTRODUCTION

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This manual provides essential information for the safe and effective installation, operation, and maintenance of the Schneider Electric HOM2200 Miniature Circuit Breaker. Please read this manual thoroughly before attempting any installation or operation.

The Schneider Electric HOM2200 is a 2-pole, 200 Amp miniature circuit breaker designed for residential and commercial applications to protect electrical circuits from overcurrents and short circuits. It operates at 240 Volts and is constructed with copper material for durability and efficient conductivity.

## IMPORTANT SAFETY INFORMATION

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**WARNING:** Electrical shock hazard. Installation and servicing must be performed by qualified personnel only. Disconnect power before working on or near the circuit breaker or electrical panel.

- Always turn off the main power supply at the service panel before installing or removing the circuit breaker.
- Use appropriate personal protective equipment (PPE), such as insulated gloves and safety glasses.
- Ensure all wiring connections are tight and secure to prevent overheating and potential fire hazards.
- Do not use this device if it appears damaged.
- Adhere to all local and national electrical codes.

## SETUP AND INSTALLATION

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The HOM2200 miniature circuit breaker is designed for installation in compatible Schneider Electric Homeline load centers. Ensure the load center is de-energized before proceeding.

### Installation Steps:

1. **De-energize the Load Center:** Locate the main service disconnect and turn off all power to the electrical panel. Verify with a voltage tester that no power is present.



Image: Front view of the Schneider Electric HOM2200 Miniature Circuit Breaker, showing the 200 Amp rating and terminal screws.

2. **Identify Breaker Slot:** Select an available slot in the Homeline load center. The HOM2200 is a 2-pole breaker and requires two adjacent slots.
3. **Connect Wires:**
  - Loosen the terminal screws on the circuit breaker.
  - Insert the appropriate gauge circuit wires into the terminals. For a 200 Amp breaker, ensure wires meet local electrical code requirements for current capacity.
  - Tighten the terminal screws firmly to the specified torque (refer to load center documentation for exact torque specifications). Ensure no bare wire strands are exposed outside the terminals.



Image: Side view of the Schneider Electric HOM2200 Miniature Circuit Breaker, showing the connection points and overall form factor.

4. **Mount the Breaker:** Align the circuit breaker's clips with the bus bar stabs in the load center. Press firmly until the breaker snaps securely into place.
5. **Connect Load Wires:** Connect the load wires from the circuit to the appropriate terminals on the breaker.
6. **Restore Power:** Once all connections are secure and verified, close the load center panel cover. Turn the main service disconnect back on.

## OPERATION

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The Schneider Electric HOM2200 Miniature Circuit Breaker functions as an automatic electrical switch

designed to protect an electrical circuit from damage caused by excess current from an overload or short circuit. Its basic operation involves two states: ON and OFF, and a tripped state.

### Switching the Breaker:

- **ON Position:** Push the breaker handle fully to the "ON" position to allow current to flow through the circuit.
- **OFF Position:** Push the breaker handle fully to the "OFF" position to interrupt current flow to the circuit.

### Tripped State:

When an overload or short circuit occurs, the breaker will automatically trip to the center position (between ON and OFF). This indicates that the circuit has been interrupted for safety.

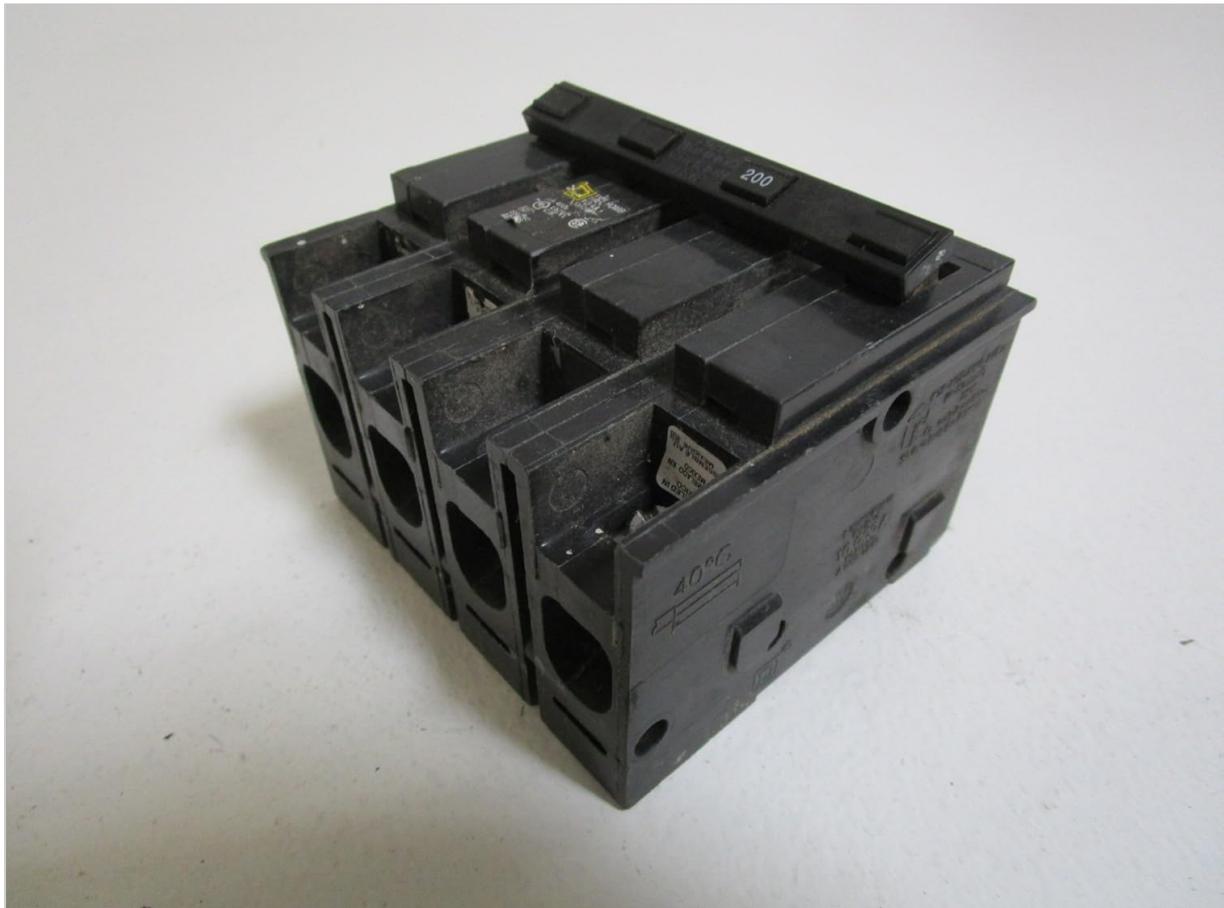


Image: Top view of the Schneider Electric HOM2200 Miniature Circuit Breaker, showing the handle and general construction.

## MAINTENANCE

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The HOM2200 Miniature Circuit Breaker is designed for minimal maintenance. Regular inspections are recommended to ensure continued safe operation.

- **Annual Inspection:** Annually, or more frequently in dusty or humid environments, inspect the breaker and its connections for signs of wear, corrosion, or overheating (discoloration of wires or terminals).
- **Cleaning:** If necessary, gently clean the exterior of the breaker with a dry, lint-free cloth. *Do not use liquids or abrasive cleaners.* Ensure power is off before cleaning.
- **Testing:** While not typically required for residential breakers, some commercial applications may require periodic testing. Consult local electrical codes and standards.

- **Replacement:** If the breaker shows signs of damage, frequent tripping without apparent cause, or fails to reset, it should be replaced by a qualified electrician.

## TROUBLESHOOTING

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This section addresses common issues you might encounter with your HOM2200 Miniature Circuit Breaker.

Problem	Possible Cause	Solution
Breaker trips frequently.	Overloaded circuit. Short circuit in the wiring or appliance. Faulty appliance. Damaged breaker.	Reduce the load on the circuit by unplugging some devices. Inspect wiring and appliances for damage. Test appliances individually. If problem persists, consult a qualified electrician for inspection and potential breaker replacement.
Breaker will not reset.	Persistent overload or short circuit. Internal breaker fault.	Ensure all devices on the circuit are unplugged or turned off. Try resetting again. If it still won't reset, there may be a severe fault or the breaker itself is damaged. Contact a qualified electrician.
No power to circuit, but breaker is ON.	Loose connection at the breaker or outlet. Faulty breaker (rare). Issue with the main service panel.	<i>With power off</i> , check connections at the breaker. Contact a qualified electrician to diagnose the issue.

## SPECIFICATIONS

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Key technical specifications for the Schneider Electric HOM2200 Miniature Circuit Breaker:

- **Brand:** Schneider Electric
- **Model Number:** HOM2200
- **Current Rating:** 200 Amps
- **Voltage:** 240 Volts
- **Number of Poles:** 2
- **Circuit Breaker Type:** Standard
- **Material:** Copper
- **Item Weight:** 1.76 pounds
- **Product Dimensions:** 4.2 x 3.7 x 3.3 inches
- **UPC:** 785901065883
- **Included Components:** HOM2200

## WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the official Schneider Electric website or contact their customer service directly. Keep your purchase receipt for warranty claims.

**Schneider Electric Official Website:** [www.se.com](http://www.se.com)

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