

## Square D HOM2200BB

# Square D Homeline HOM2200BB 200 Amp Plug-on Circuit Breaker Instruction Manual

Model: HOM2200BB

## 1. INTRODUCTION

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This manual provides essential information for the safe installation, operation, and maintenance of the Square D Homeline HOM2200BB 200 Amp Plug-on Circuit Breaker. This 2-pole, 200 Amp circuit breaker is designed for use in Homeline load centers, providing overcurrent protection for electrical circuits. Please read this manual thoroughly before proceeding with any installation or service.

## 2. SAFETY INFORMATION

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**WARNING:** Electrical shock hazard. Installation and servicing of this equipment should be performed only by qualified personnel. Failure to follow these instructions can result in serious injury or death.

- Always disconnect power at the main service panel before working on or near electrical equipment.
- Use appropriate personal protective equipment (PPE) such as insulated gloves and safety glasses.
- Verify that the circuit breaker rating matches the requirements of the electrical system and connected loads.
- Ensure all connections are tight and secure to prevent overheating and fire hazards.
- Do not use this circuit breaker if it appears damaged or has been dropped.
- Refer to local and national electrical codes for all installation requirements.



**Image 1:** Front view of the Square D Homeline HOM2200BB 200 Amp Plug-on Circuit Breaker. Visible are the two poles, the 200 Amp rating, and safety labels indicating DANGER/PELIGRO regarding electrical shock and explosion hazards. The plug-on connection points are visible at the bottom.

### 3. PRODUCT OVERVIEW

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The Square D Homeline HOM2200BB is a 2-pole, 200 Amp plug-on circuit breaker designed for use in Square D Homeline series load centers. It provides thermal-magnetic overcurrent protection for residential and light commercial applications. Its plug-on design allows for easy and secure installation.

#### Key Features:

- **Type:** Homeline Plug-on Circuit Breaker
- **Poles:** 2-Pole
- **Amperage:** 200 Amps
- **Voltage Rating:** 120/240V
- **Interrupting Rating:** 10 kAIC
- **Frequency:** 50/60 Hz
- **Mounting:** Plug-In Mount
- **UL Approved:** Certified for safety and performance.

### 4. INSTALLATION

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**Important:** Installation must be performed by a qualified electrician in accordance with all applicable electrical codes and standards.

#### Installation Steps:

1. **Power Disconnection:** Before beginning any work, ensure that the main power supply to the load center is completely disconnected and locked out. Verify zero voltage with a suitable testing device.
2. **Identify Location:** Select the appropriate four spaces within the Homeline load center for the 2-pole, 200 Amp breaker.
3. **Wire Preparation:** Strip the insulation from the circuit wires to the length specified by the load center or breaker instructions. Ensure wires are clean and free of damage.
4. **Connect Wires:** Insert the circuit wires into the appropriate terminals on the breaker. For a 2-pole breaker, connect the two hot wires to the respective terminals. Tighten the terminal screws to the torque specifications provided by the manufacturer, typically found on the breaker itself or in the load center manual.
5. **Mount Breaker:** Align the breaker's plug-on clips with the bus bar stabs in the load center. Firmly push the breaker onto the bus bar until it is fully seated and secure. Ensure a solid connection.
6. **Ground and Neutral Connections:** Ensure all ground and neutral wires are properly terminated in the load center's ground and neutral bus bars, respectively.
7. **Panel Cover:** Replace the load center cover, ensuring all openings are properly filled with blank covers or breakers.
8. **Restore Power:** Once all connections are verified and the panel cover is secured, restore power to the load center.

### 5. OPERATION

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The Square D Homeline HOM2200BB circuit breaker is designed to automatically interrupt the flow of electricity when an overcurrent or short circuit condition occurs, protecting your electrical system and connected equipment.

## Breaker Positions:

- **ON:** The breaker handle is fully in the "ON" position, indicating power is flowing through the circuit.
- **OFF:** The breaker handle is fully in the "OFF" position, manually interrupting power to the circuit.
- **TRIPPED:** When an overcurrent or short circuit occurs, the breaker handle will move to an intermediate "TRIPPED" position (often between ON and OFF). This indicates the breaker has automatically interrupted the circuit for safety.

## Resetting a Tripped Breaker:

1. **Identify Cause:** Before resetting, attempt to identify and correct the cause of the trip (e.g., overloaded circuit, faulty appliance).
2. **Turn OFF:** Firmly push the breaker handle completely to the "OFF" position. You may feel a click.
3. **Turn ON:** Firmly push the breaker handle completely to the "ON" position.
4. **Repeat Trips:** If the breaker immediately trips again, do not attempt to reset it repeatedly. This indicates a persistent fault that requires professional investigation.

## 6. MAINTENANCE

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Circuit breakers generally require minimal maintenance. However, periodic inspection is recommended to ensure continued safe operation.

- **Visual Inspection:** Annually, or as needed, visually inspect the breaker and its connections within the load center. Look for signs of discoloration, burning, loose wires, or physical damage.
- **Cleaning:** If necessary, with power disconnected, gently clean the exterior of the breaker and surrounding area with a dry, non-abrasive cloth. Do not use liquids or solvents.
- **Testing:** While not typically required for residential breakers, some commercial applications may require periodic testing. Consult local codes and manufacturer recommendations.
- **Professional Service:** If any issues are observed or suspected, contact a qualified electrician for inspection and service.

## 7. TROUBLESHOOTING

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If your Square D Homeline HOM2200BB circuit breaker is not functioning as expected, consider the following common issues:

Problem	Possible Cause	Solution
Breaker trips frequently.	Overloaded circuit, short circuit, ground fault, or faulty appliance.	Reduce load on the circuit. Unplug appliances. Inspect for damaged wiring. If problem persists, consult an electrician.
Breaker will not reset.	Persistent fault (short circuit, severe overload) or internal breaker damage.	Do not force the breaker. Disconnect power and have an electrician inspect the circuit and breaker.
No power to circuit, but breaker is ON.	Loose connection, faulty wiring, or internal breaker failure.	Verify connections (with power off). If connections are secure, the breaker or wiring may be faulty. Consult an electrician.

## 8. SPECIFICATIONS

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Feature	Detail
Brand	Square D
Model Number	HOM2200BB
Circuit Breaker Type	Thermal-Magnetic, Standard
Current Rating	200 Amps
Number of Poles	2
Voltage Rating	120/240 Volts
Interrupting Rating (kAIC)	10 kAIC
Frequency	50/60 Hz
Mounting Type	Plug-In Mount
Spaces Required	4 (in Homeline load centers)
Item Weight	3.11 pounds
Package Dimensions	7.68 x 6.89 x 5.75 inches
Manufacturer	Schneider

## 9. WARRANTY AND SUPPORT

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For specific warranty information regarding the Square D Homeline HOM2200BB circuit breaker, please refer to the documentation provided with your purchase or visit the official Square D (Schneider Electric) website. For technical support, installation assistance, or to report a product issue, please contact Square D customer service directly.

**Manufacturer:** Schneider Electric

**Website:** [www.se.com/us/en/](http://www.se.com/us/en/) (This is a general link to Schneider Electric, the manufacturer of Square D products. Specific support contact details may vary by region.)