

# GFCI-AFCI circuit breaker installation and troubleshoot

## Installation instructions

1. Turn off power to the circuit breaker by moving the breaker handle firmly to the OFF position.
2. Connect the branch circuit to the breaker (see connection diagram).
  - Connect the white (neutral) load wire to the terminal of the circuit breaker marked “LOAD NEUTRAL”; torque per ratings listed on the breaker
  - Connect the black (hot) load wire to the circuit breaker terminal marked “LOAD”; torque per ratings listed on the breaker
3. Select the desired pole position for the breaker. Plug the neutral clip onto the loadcenter neutral bar by angling the breaker at 45° and applying pressure.  
Rotate the breaker down to attach the breaker to the bus stab.
4. Turn the breaker on by moving the handle from the OFF position to the ON position.
5. Verify that the breaker is operational by pressing the TEST button. If the breaker trips, the unit is working correctly. If the breaker does not trip, replace the AFCI breaker.
6. Reset the breaker. Move the handle from the OFF position to the ON position.

## General troubleshooting guidelines

- Use the TEST button to ensure that the breaker is working properly:
- With the white pigtail wire connected to the neutral bar, press the TEST button
- If the breaker trips, the unit is working correctly
- If the breaker does not trip, replace the AFCI breaker
- Check for grounding problems:
- Shared neutral circuits, grounded neutrals, or manufacturing defects in fixtures can cause leakage current to be present on the circuit
- At the loadcenter, check continuity between the load neutral wire and the ground wire
- If continuity exists, find the location of the fault and correct the issue

