



Phase Coupler (2 Phase Only) Installation Guide

WARNING: ELECTRICAL SHOCK HAZARD!!

IF THE PHASE COUPLER HAS BEEN INSTALLED AND POWERED ON, REMOVING IT WILL NOT DISCHARGE THE ELECTRICAL CURRENT STORED IN THE DEVICE. TO DISCHARGE THE ELECTRICAL CURRENT, AFTER REMOVING POWER, SHORT LEADS WITH AN INSULATED METAL TOOL.

THIS IS A 240V ELECTRICAL HAZARD!

IMPORTANT SAFETY INSTRUCTIONS

When using electrical products, basic safety precautions should always be followed including:

1. Read and follow all safety instructions.
2. Installation should be performed by a qualified electrician.
3. Connect only copper or copper-clad wire to these products.
4. Keep away from water.
5. Never use products that have been dropped or damaged.
6. Do not use outdoors.
7. Do not use for other than intended use.
8. Install out of reach of small children.
9. Do not cover with any material unless allowed by electrical codes.
10. Save these instructions.

WIRE-IN PHASE COUPLER INSTALLATION

This phase coupler is designed to be installed in a single-gang junction box that is wired to a readily accessible over-current protection device (breaker) in the building wiring per NEC, CEC and local electrical codes.

1. Install a single-gang junction box (according to electrical codes) in a location from which 15A circuits from both AC power phases can be accessed.
2. Disconnect power at the circuit breakers that control the two phase connection points, or at the main breaker.
3. Connect one of the wires of the Wire-In Phase coupler to the Phase A breaker and the other wire to the Phase B breaker using copper wire rated for 15A service.
4. Restore power at the circuit breakers.
5. Install a cover plate on the junction box housing the Wire-In Phase Coupler.

BREAKER PHASE COUPLER INSTALLATION

The Breaker Phase Coupler is designed to be installed into a Cutler-Hammer, Square-D, Murray or GE residential load center.

1. Disconnect power at the main breaker.
2. Connect the white wire of the Breaker Phase Coupler to the neutral rail.
3. Install the Breaker Phase Coupler into a tandem 2-phase slot in the load center in accordance with the load center manufacturer's instructions.
4. Restore power and verify that all three LEDs are illuminated. Phase coupling and surge suppression are active when all three LEDs are illuminated. An extinguished PHASE COUPLER LED indicates an improper Line connection or the internal phase coupling circuitry is not working. An extinguished SURGE A or SURGE B LED indicates an improper Neutral connection, or the internal surge suppression circuitry is not working.

PLUG-IN PHASE COUPLER INSTALLATION

The Plug-In Phase Coupler is designed to be plugged into a 30 Amp (or 50 Amp) 220 VAC 3 prong power receptacle. An appliance such as a clothes dryer, air-conditioner or stove can be plugged into the receptacle of the Plug-In Phase Coupler for 'in-line' use.

1. Disconnect power to the 220 VAC receptacle at the breaker.
2. If present, disconnect the appliance power plug from the 220 VAC wall outlet.
3. If present, insert the appliance power plug into the receptacle of the Plug-In Phase Coupler completely.
4. Insert the Plug-In Phase Coupler into the 220 VAC wall outlet completely.
5. Restore power to the 220 VAC receptacle at the breaker.
6. While it is not necessary to connect an appliance to the receptacle of the Plug-In Phase Coupler, if an appliance is connected to power through the Plug-In Phase Coupler be sure to check that the appliance has power and operates normally.