



Models: PPC-1, PPC-3, PPC-4 Passive Phase Couplers

Installation Guide and Owner's Manual



FUNCTION

The Passive Phase Coupler (PPC) is a small electronic device that is designed to enhance the communication reliability between devices using the Universal Powerline Bus (UPB™) method of communication (such as PulseWorx™ devices). It couples UPB communication signals generated on one phase of the powerline onto the other phase of the powerline. The PPC is designed to be used in a typical residential 120/240VAC split-phase electrical environment.

Wire-in and Plug-in Models

The PPC is available in both plug-in and wire-in models. The PPC-1 is designed to install in a suitable junction box and wire to two phases (circuits) of the circuit breaker panel. The PPC-3 is designed to plug into any 3-socket 240V electrical outlet. The PPC-4 is designed to plug into any 4-socket 240V electrical outlet.

INSTALLATION

Installation of the PPC-3 & PPC-4

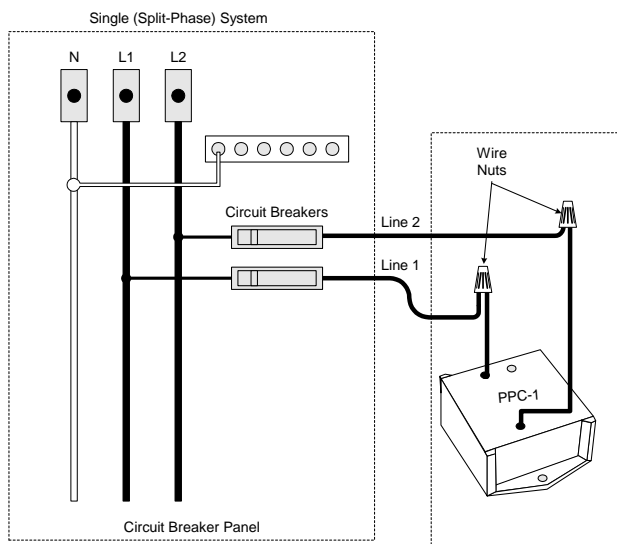
The PPC works best when plugged or wired in as close to the main circuit breaker panel as possible. Installation of the PPC-3 and PPC-4 is simple:

1. Unplug any appliance that is plugged into the 240V electrical outlet.
2. Plug the PPC-3 into the 3-socket 240V electrical outlet or plug the PPC-4 into the 4-socket 240V electrical outlet.
3. Plug the appliance into the pass-thru outlet on the front of the PPC.

Installation of the PPC-1

Note: Installation must be carried out by a qualified electrician only. The main breaker must be turned off during installation and the coupler must be installed in a suitable junction box or equivalent enclosure. Installation must be carried out in accordance with all applicable codes and requirements, including, but not limited to, the National Electrical Code (NEC).

1. Turn off the power at the main breaker panel.
2. Install the coupler into a suitable workbox or equivalent enclosure using the two mounting holes.
3. Connect one black wire to phase A, and the other black wire to phase B, using wire nuts. Check that there are no bare wires protruding and cover the wire nuts with insulating tape if necessary.
4. Check all wiring and connections, and turn on the main breaker.
5. The LED will light up if all connections are proper.



Specific Requirements: 240VAC

- Split-Phase System 120/240V - L1, L2
- Generally, best for residences of 5000 sq. ft. or smaller.
- Homes with an abundance of electronic devices will be served better with the increased signal strength of the SPR Split-Phase Repeater.

LIMITED WARRANTY

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in materials and workmanship for a period of five years from the date of purchase. Refer to the warranty information on the PulseWorx website (www.PulseWorx.com) for exact details.