

Features

- Stronger signal strength
- Increased electrical noise resistance
- Utilizes standard electrical wiring - retro-fits easily in existing homes
- Used when signals are not evenly distributed over a home's two phases
- Passes UPB, X10 and broadband frequencies between phases
- Built-in surge suppressor
- LEDs indicate problem conditions

UPB Benefits

- Higher reliability
- Lower system cost
- Individual home selective (no cross-over/interference from adjacent homes)
- Easily configurable

Applications

- Improve UPB transmitted signal strength throughout a home
- Typically only needed in larger homes



The **CPR-02 and CPR-03 Phase Couplers** work with the Web Mountain line of UPB devices to provide coupling between the two phases of a home's electrical system. The CPR-03 mounts in one position of a standard electrical wiring box and uses a blank faceplate. The CPR-02 installs in a J-box mounted near the breaker box.

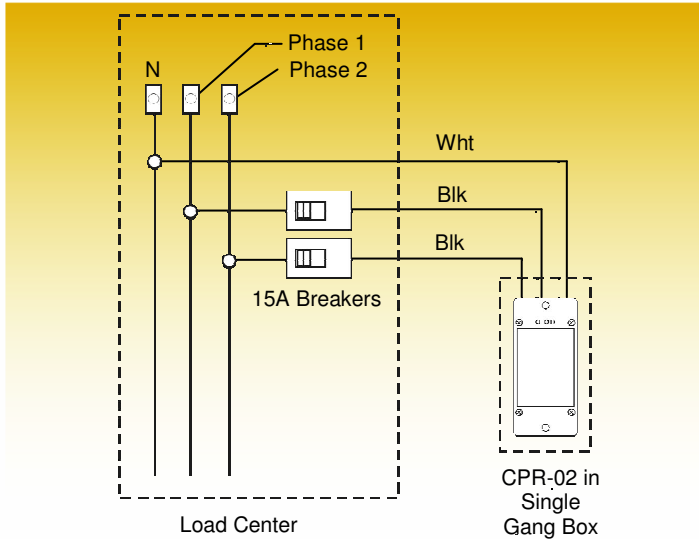
On rare occasions, the UPB signal strength is not enough to allow for solid transmission throughout the home. In those occasions, the installation of one of these devices couples a strong signal from the phase where the UPB transceiver is located onto the weaker phase, thereby improving transmission performance. These devices are typically only needed in larger homes. However, because of the low price, they are a cheap insurance policy to help keep UPB reliability extremely high.

These modules enhance the functioning of Universal Powerline Bus components for control applications. Use of standard electrical wiring for communication transmission is possible due to lower noise levels, stronger signal strength and improved reliability surpassing technologies such as X-10, CeBus and others. UPB technology also allows enough individually addressable devices to control the largest residential environment—usually without the need for phase coupling and without affecting or being affected by adjacent home environments.

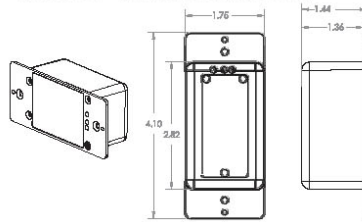


Models CPR-02/CPR-03 UPB Phase Couplers

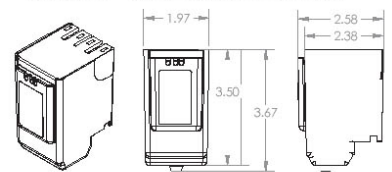
Single Split-Phase System



Model ZPC-W = Wire-in Universal Phase Coupler



Model ZPC-B = Breaker-box Universal Phase Coupler



Installation

Connect to the two phases in a standard electrical box. Installation by a licensed electrician is highly recommended.

Specifications

Model Name	Phase Coupler
Model Number	CPR-02/CPR-03
Packaging	CPR-03 fits one position in a standard electrical wall box—uses a blank faceplate. CPR-02 fits in a standard J-box.
Dimensions	Approx. 1.44"D X 1.75"W X 4.1"H (CPR-02); 2.58"D X 1.97"W X 3.67"H (CPR-03)
Net Weight	4 oz. (CPR-02); 7 oz. (CPR-03)
Protocol	UPB
Connections	Requires connection to both phases of a home's electrical system CPR-03 uses one breaker in electrical panel, and a 240V circuit
Certifications	ETL
Operating Temperature	-40° to +50° C, -40° to 120° F
Operating Voltage	Two-phase, 120VAC +/- 10% per phase
Voltage Suppression	500V L-N, 900V L-L
Peak Surge Current	27,000A per phase
Compatibility	Cutler-Hammer, Square D, Murray, GE

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