



### FEATURES

- Supports All X10 Standard Code Commands except Preset Dim
- Supports All Extended Code 1 commands
- Ready and Transmit LED's visible on Cover
- Equipped with 16 gauge wire leads for connections
- Fuse Protected - Field Replaceable
- Higher signal output
- Operation from 120 / 240VAC - split / single phase (60 Hz)
- Intelligent receive and retransmit of Dim/Bright frames
- Standard 1mS transmission at 0° and 180°



### APPLICATIONS

- Repeats powerline carrier transmission signal on both phases of a 120/240 VAC split-single phase power system, when it is received on one phase.

### PRODUCT DESCRIPTION

The CR230 is a powerline carrier coupler repeater for distributing Powerline Control signals to both phases of power. The repeater is designed to be connected to a split/single power system and repeat transmissions from either phase locally onto both connected phases.

On application of power the CR230 will analyze the power connections to determine the phase order. When the repeater has determined a functional condition the READY LED will come on. The repeater is now ready to operate.

When the repeater receives a valid start code on any phase, it will lock onto that phase and receive the remainder of the packet. When the packet is complete, the repeater will retransmit the data onto both connected phases and indicate this retransmission with the TRANSMIT LED. If the repeater receives an invalid or corrupted PCC packet it will wait for new data.

Ready and Transmit LED's in the cover indicate operation.

### ORDERING INFORMATION

Specify: CR230

### SPECIFICATIONS

#### Electrical Requirements

##### Power

Supply Voltage

120 VAC, +/-10% (Phase A to neutral)

Fuses (field replaceable)

Phase A and B: 3AG, 0.5A, 250V, slow blow (313-500 Littlefuse)

##### Signal

Signal Input

X10 Powerline Carrier on either phase (sensitive to 80 millivolts peak to peak minimum).

Signal Output

X10 Powerline Carrier, 6V peak to peak @ 5 ohms minimum

## Mechanical Requirements

### *Power and Phase*

Connection

Flying leads of 16 ga. insulated wire.

### *Dimensions (Enclosure)*

6.4" L x 4.5" W x 2.35" H

### *Weight*

0.76 pounds

### *Mounting*

Can mount on a 3-gang electrical junction box

## Environmental Requirements

Operating Temperature

32 to 120 degrees F

Storage Temperature

-40 to 185 degrees F

Operating Humidity

10% to 95% non-condensing

Specifications may change without notice to improve product performance.