Wirelynx *Powerline Carrier Systems*

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Model LX-1031CH Receiver for 480VAC Line Voltage - One 30 Amp High Power Relay Output

1. Mount the Wirelynx Model LX-1031CH Powerline Carrier Receiver to an electrical enclosure using the 1/2" chase nipple with the locknut supplied. A 1/2" knockout in the electrical enclosure will allow for direct mounting. Alternately, order the Wirelynx receiver mounting bracket part # 01021-01001A.

2. Identify the phase conductors to which the LX-2299 480VAC Transmitter Adapter's BLACK and RED Wires are connected. See Figure 1 below.

3. Connect the LX-1031CH's BLACK #18AWG lead to the identified "Black" phase. Connect the RED #18AWG lead to the identified "Red" phase. Use an appropriate circuit breaker or fused disconnect switch for circuit protection. The LX-1031CH is designed and configured for 480VAC lines and cannot be used with any other voltage or configuration.

4. The LX-1031CH has one single-pole double-throw (FormC) contact. Connect the load to be controlled through the two #10AWG RED leads. The receiver's default contact configuration is the Normally-Closed contact. If you need the Normally-Open contact, move the #10AWG RED wire from the NC to the NO terminal on the receiver's relay. The Normally-Closed relay contact has a maximum voltage rating of 30 Amps at 240VAC-Resistive, 20 Amps at 277VAC-General Purpose or 30Amps at 30VDC See Figure 2.

5. Before powering the LX-1031CH receiver up, remove the cover and set the house code, load number (channel) code and other appropriate settings on the six-position dip switch located in the upper left-hand corner of the board as indicated in Figure 3.

6. Replace cover for safety prior to turning on power.

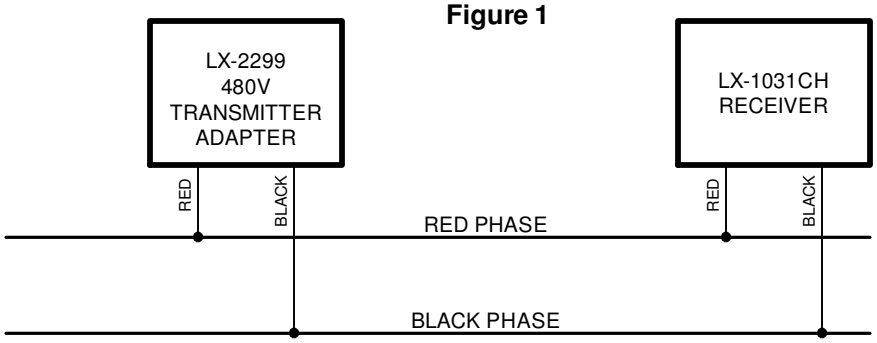
7. Turn on power to receiver by turning on circuit breaker or disconnect switch.

8. Remove cover as required to observe LED lights. The Green LED on the receiver should blink approximately once per second indicating that the receiver is receiving a signal from the transmitter. (Transmitter must be turned on.)

9. When the transmitter sends an ***"energize"*** command, the Red LED will light, indicating that the relay's coil is energized, the normally-open contact is closed and the normally-closed contact is open.

10. Replace cover and tighten screws.

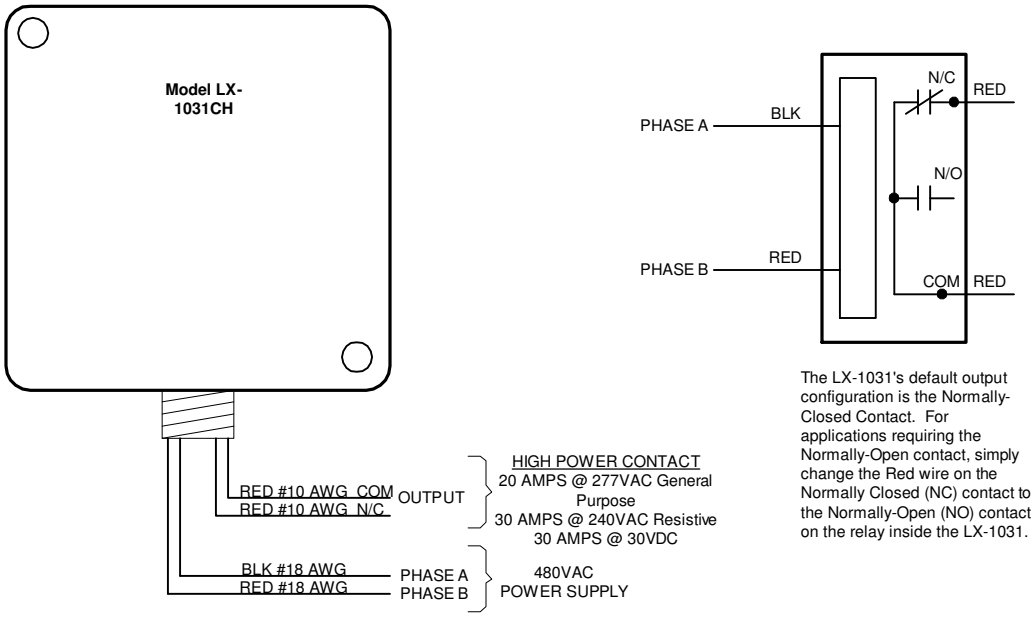
Figure 1



CAUTION - 480VAC IS PRESENT ON RECEIVER PC BOARD

Figure 2

MODEL LX-1031CH WIRING DIAGRAM



The LX-1031's default output configuration is the Normally-Closed Contact. For applications requiring the Normally-Open contact, simply change the Red wire on the Normally Closed (NC) contact to the Normally-Open (NO) contact on the relay inside the LX-1031.

Figure 3

DIP SWITCH SETTINGS FOR LX-1031CH PLC RECEIVERS