

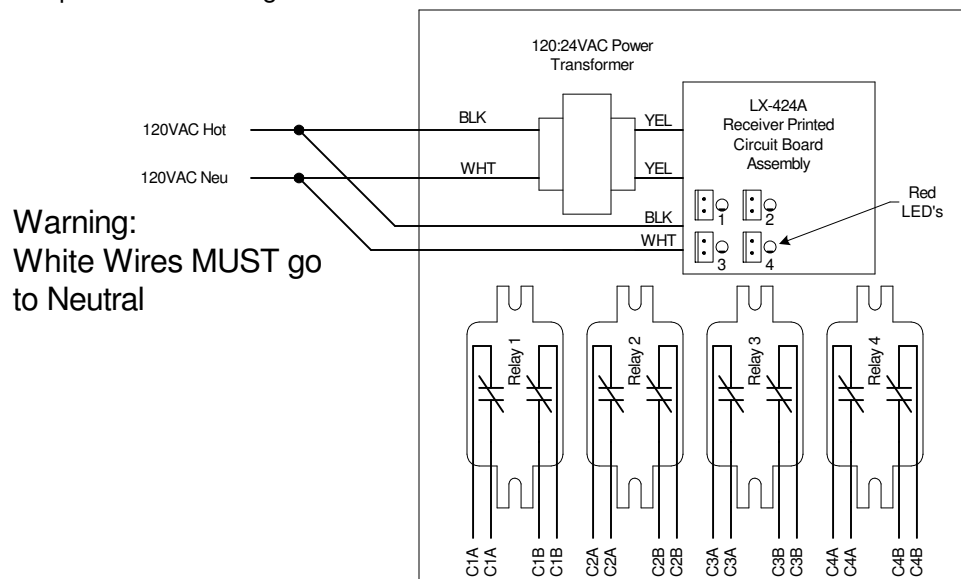
# Wirelynx Powerline Carrier Systems

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## Model LX-424A 4-Channel Receiver - 120VAC with Four 30-Amp High Power NC Relay Outputs

The LX-424A is designed to operate on a voltage of 120VAC. It is configured with four DPST-NC power relays.

1. Mount the Wirelynx Model LX-424A Powerline Carrier Receiver's enclosure adjacent to the load(s) to be controlled. Use the appropriate conduit, connections, wiring devices and wire to connect the LX-424A's relays to the loads to be controlled.
2. Connect the two BLACK #18AWG leads(one from the Power Transformer's primary and the other from the 424 board) to the 120V phase ("hot leg"). Connect the two WHITE #18AWG leads to neutral. See Figure 1.
3. The LX-424A has four power relays, each with two double-pole single-throw (2FormB) 30 amp dry contacts. Connect the first controlled load through the two #10AWG RED leads labeled "C1A". Connect the second controlled load through the two #10AWG RED leads labeled "C2A". Connect contacts C3A and C4A to the third and fourth loads in the same manner. The relay contacts have a maximum voltage rating of 30amps at 300V, 15Amps at 600V or 30Amps at 28VDC.
4. Before powering the LX-424A receiver, set the failsafe jumper. With the jumper out, all loads will default to the Normally-Closed state approximately one minute after communications with the Series 400 Transmitter are lost. If the jumper is "IN", then all relays open and will remain open until the communications are reestablished with the ES-424 or the power is turned off.
5. Turn on power to the LX-424A receiver. The Green LED on the receiver should blink approximately once per second indicating that the receiver is receiving the carrier signal and data packets from the transmitter. (Transmitter must be turned on.) All relays will go to the state commanded by the transmitter as soon as valid data packets are detected.
6. When the transmitter sends an "energize" command, the Red LEDs will be lit, indicating that the relay's coil is energized, and the normally-closed relay contacts are open, thus turning off the load that is connected to the relay.
7. Replace cover and tighten screws.



**CAUTION - 120VAC IS PRESENT  
ON RECEIVER PC BOARD**