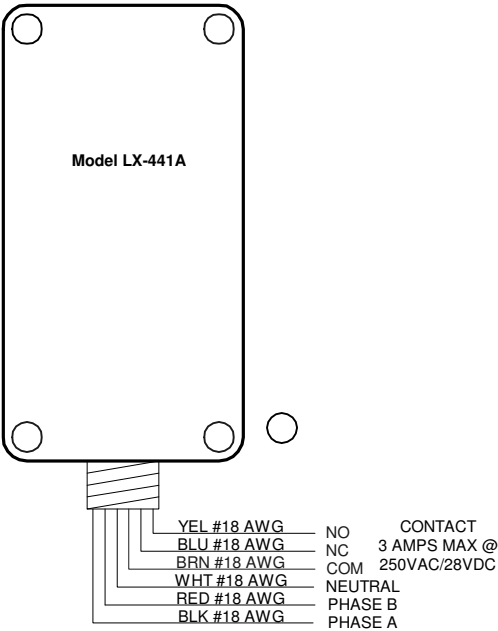


## Model LX-421A Receiver - 3 Amp Low Power Relay Output with Watertight Enclosure

1. Before mounting the LX-421A receiver, remove the cover and set the output channel desired, on the jumper selector located on the upper edge of the board as indicated in Figure 2. Also set the Failsafe jumper JP2 in for N/O or out for N/C depending on the default mode desired.
2. Replace the cover and tighten with the four corner screws.
3. Mount the Wirelynx Model LX-421A Powerline Carrier Receiver in an appropriate electrical enclosure or light fixture using appropriate hardware for the two mounting holes located on the flange of the cover. Use care to make sure that no metal chips or other debris gets onto the electronics of the LX-421A. Six #18AWG 24" wires are supplied for connection with wire nuts or other appropriate connection devices.
4. For 120, 208 or 240 VAC single phase configurations WITH NEUTRAL, connect the BLACK #18AWG lead to the 120, 208 or 240V phase ("hot" leg). Connect the RED and WHITE #18AWG leads to neutral. If neutral is not available, connect to ground. (**Note:** Ground and neutral must be connected together at the breaker panel.) See Figure 1.
5. For 208 or 240 VAC phase-to-phase configurations, connect the BLACK #18AWG lead to one phase. Connect the RED and WHITE #18AWG leads to the opposite phase.
6. For 120/208 VAC or 120/240V two (split) phase systems, connect the BLACK #18AWG lead to one phase. Connect the RED #18AWG lead to the opposite phase. Connect the WHITE #18AWG lead to neutral. If the neutral is not available, connect the WHITE #18AWG lead to ground. (**Note:** Ground and neutral must be connected together at the breaker panel.)
7. For 120/208 VAC WYE three-phase systems, connect the BLACK and RED wires to any two of the three phases. Connect the WHITE wire to neutral (or ground if neutral is not available).
8. For 120/240 VAC DELTA three-phase systems, connect the BLACK and RED wires to the 120V legs (phases). Do not connect to the 208V "high" leg. Connect the WHITE wire to neutral (or ground if neutral is not available).
9. Connect the load to be controlled through the LX421A's dry contact relay output. Use the #18AWG BROWN (Common) lead and either the YELLOW (Normally Open) or BLUE (Normally Closed) lead of the 3 Amp low power relay. The relay contact has a maximum voltage rating of 250VAC or 28VDC.
10. Turn on power to the LX-421A receiver.
11. The Green LED on the receiver should blink approximately once every two seconds indicating that the receiver is receiving a carrier signal and packets of information from the transmitter. (Transmitter must be turned on.) Response time is approximately 4 seconds. The receiver must see the same on/off command multiple times before switching the relay. This noise immunity is designed to prevent inadvertant switching of the relay in a high noise environment such as powerlines.
12. When the receiver receives, decodes and verifies the "**energize**" command sent by the transmitter, the Red LED will light, indicating that the relay's coil is energized. When the RED Led is lit, the normally-open contact is closed and the normally-closed contact is open.

**Figure 1**  
**MODEL LX-441A WIRING DIAGRAM**



**Figure 2**  
**Select the Channel # Desired and**  
**FailSafe Mode**

