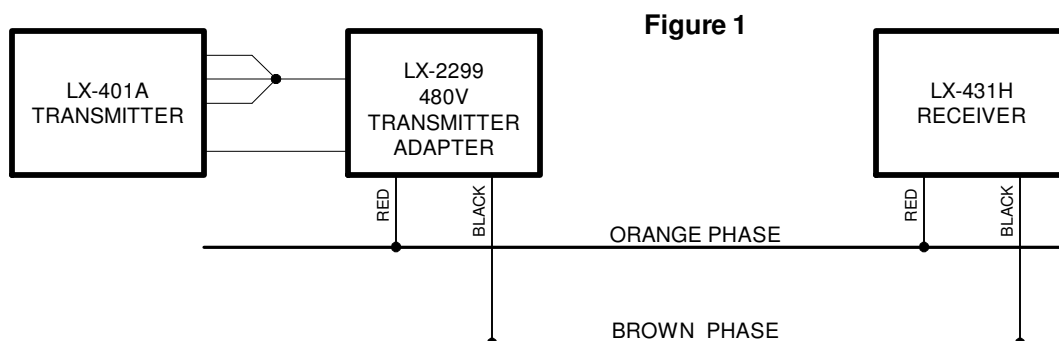


Wirelynx Powerline Carrier Systems

Brayden Automation Corp.
6230 Aviation Circle
Loveland, CO 80538
(970)461-9600
www.wirelynx.com

Model LX-431H Receiver for 480VAC Line Voltage - One 30 Amp High Power Relay Output

1. Mount the Wirelynx Model LX-431H 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. A LX-2299A 480VAC Transmitter Adapter must be used with the LX401A Transmitter in this system to be able to use this receiver. 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-431H's BLACK #18AWG lead to the identified "**BROWN**" phase. Connect the RED #18AWG lead to the identified "**ORANGE**" phase. Use an appropriate circuit breaker or fused disconnect switch for circuit protection. The LX-431H is designed and configured for 480VAC lines and cannot be used with any other voltage or configuration. The Yellow Phase could also be used but the LX-2299A's wires must be connected to the same two phases.
4. The LX-431H 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-431H receiver up, remove the cover and select channel number on the pin header S1 located in the upper left-hand corner of the board as indicated in Figure 2. Also set the default Failsafe mode to normally-open or normally-closed with the JP2 jumper. With the JP2 shunt "in", the relay will default to a normally-open state, while the JP2 jumper shunt "out" will default to a normally-closed state.
6. Replace cover with 2 screws diagonally and turn on power to receiver.
7. The Green LED on the receiver should blink approximately once per second or so indicating that the receiver is receiving a carrier signal and packets of information from the transmitter. (Transmitter must be turned on.) The Green LED should blink continuously indicating the data is being received.
8. When the transmitter sends an "**energize**" command, the Red LED will be lit, indicating that the relay's coil is energized. The normally-open contact will close and the normally-closed contact will open.
9. Replace cover and remaining screws and tighten screws.



**CAUTION - 480VAC IS PRESENT
ON RECEIVER PC BOARD**

Figure 1
MODEL LX-431H WIRING DIAGRAM

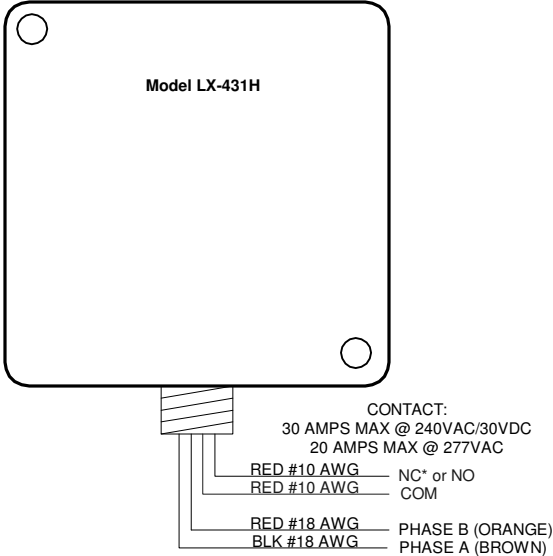


Figure 2

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

