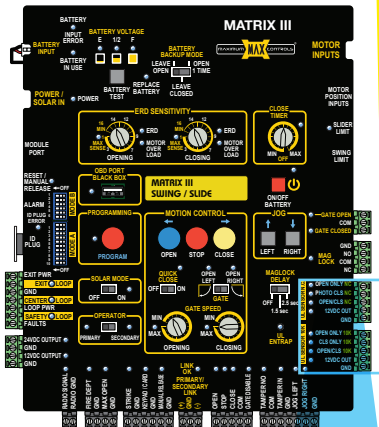


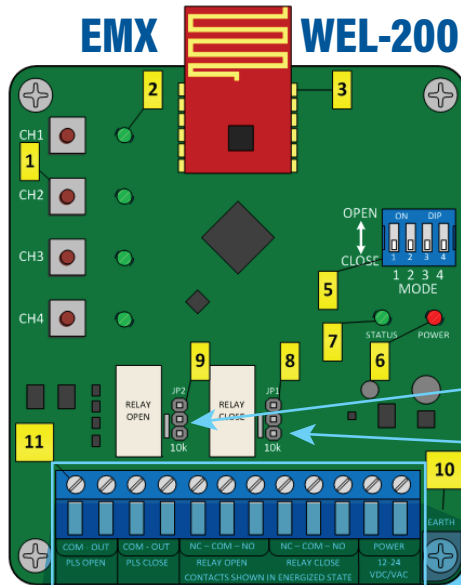
EMX WEL-200 Wiring Guide FOR MAX PRO SERIES



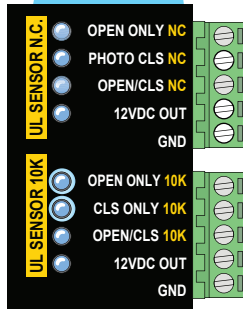
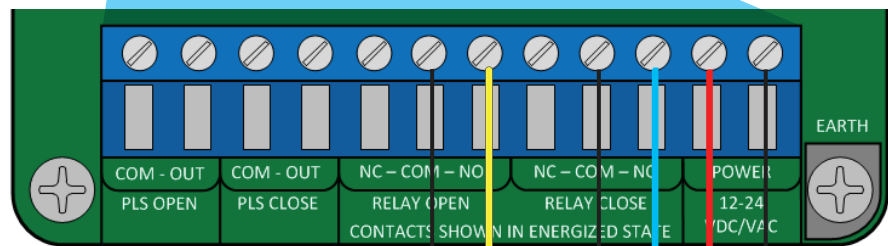
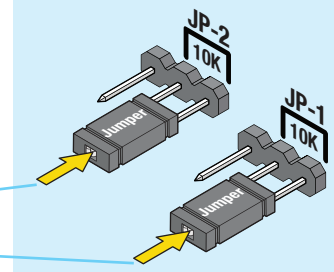
1 WIRE WEL-200R OPEN & CLOSE RELAYS TO MATRIX III 10K SENSOR INPUTS



EMX WEL-200R



2 INSERT BOTH JUMPERS IN 10K POSITION



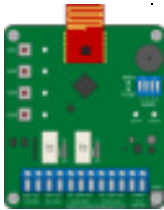
WIRE TO 'NO' OF RELAY OPEN

WIRE TO 'NO' OF RELAY CLOSE

GND

Polarity does
NOT matter
for power

Connecting is a two step process. First, on the receiver, press and hold the channel assignment switch until the green status LED begins rapidly flashing, then release; this will clear any existing assignment for that particular channel. Hold down the connection switch on the transmitter. If it is not currently connected to a receiver, it will begin flashing rapidly until successfully connecting. Detailed instructions are given below.



NOTE: If there are no existing connections, the **receiver's** status LED will blink rapidly while it is finding a clean operating frequency (this can last a few seconds)
After initialization, the system status LED will flash on/off once every 2 seconds

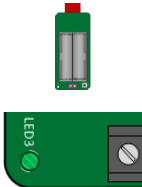
STEPS

1



Set each channel to the desired OPEN/CLOSE direction function using the MODE dip switch
If a DIP switch is in the OPEN position, then that channel will trigger the OPEN Relay on receiver. Otherwise, it will trigger the CLOSE Relay.

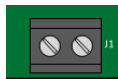
2



Install 2 AA Lithium batteries in the **WEL-200T (transmitter)**

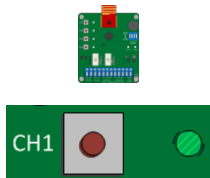
The green LED on the transmitter will quickly flash 2x every two seconds

3



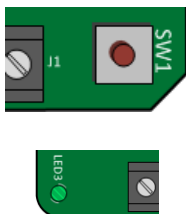
Install a properly terminated edge to the **transmitter** (8.2k or 10k termination)

4



On the **receiver**, hold down the desired channel assignment switch until all four channel LED's activate and the system status LED begins flashing rapidly, then release the switch.

5

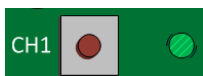
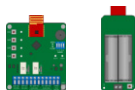


On the **transmitter**, hold down the connection switch (next to the terminal block)

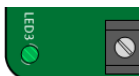
The LED on the **transmitter** will begin flashing rapidly after ~4 seconds

Upon successful connection, the LED will flash once every two seconds
If the **transmitter** fails to connect, it will return to its initial state, with the LED flashing twice every two seconds. If this occurs, repeat steps above.

TESTING



Without activating the edge, observe the channel status LED, it should be OFF.



When the edge is activated, the **receiver** channel status LED will turn on and the corresponding OPEN/CLOSE direction output will activate. The **transmitter** status LED will blink once every *second* when the edge is activated.

If the channel does not exhibit this behavior, double check the edge wiring/termination and transmitter batteries.

