

# TROUBLESHOOTING

Units sold prior to January 2016 have an automatic reset circuit breaker. If tripped, they will automatically reset after a few seconds. Units sold after January 2016 utilize a manual reset circuit breaker. If tripped, these circuit breakers will need to be manually reset by pushing the small button on the side of the circuit breaker.

If you are having any kind of electrical difficulty, the first thing you should do is pull apart each connection and inspect it to make sure the pin connectors inside are not damaged and the connector locks back together.



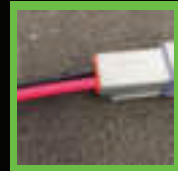
INCORRECT



CORRECT



INCORRECT



CORRECT

Once you have determined that all of the connectors are in working condition, check all of the wires for breaks, cracking, and exposed wires.



INCORRECT

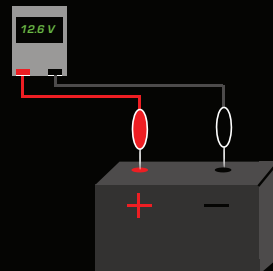


CORRECT

Once you have determined that all of the connectors and wires are in working condition, the next step is to check your battery to make sure it is carrying a strong charge. Even if the battery is brand new, it may still be faulty or not properly charged. Running a quick test on your battery can save you time and money with your Python System as well as headaches with your battery later on.

The easiest way to test your battery is with a multimeter. You may also want to test with a load meter to ensure your battery will hold a charge.

| OPEN CIRCUIT VOLTS | PERCENT OF CHARGE |
|--------------------|-------------------|
| 11.7V OR LESS      | 0%                |
| 12.0V              | 25%               |
| 12.2V              | 50%               |
| 12.4V              | 75%               |
| 12.6V OR MORE      | 100%              |



**\*\*WARNING\*\*** BATTERIES GIVE OFF HYDROGEN GAS. HYDROGEN GAS IS HIGHLY EXPLOSIVE. ALWAYS WEAR SAFETY GOGGLES AND EXECUTE CAUTION WHEN WORKING WITH BATTERIES

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| <b>PROBLEM</b>  | <b>POSSIBLE CAUSES</b>   | <b>CHECK</b>  |
|---|--|---|
| <p><i>System only turns one direction or does not turn at all</i></p>                       | <p><i>Motor and actuator shafts not fully engaged</i></p> <p><i>Linkage is causing stress to the actuator</i></p>  | <p><i>Remove and re-install the motor following Installation Steps 6-10</i></p> <p><i>Remove and re-install linkage following Installation Steps 25-30. Pay close attention to Step 30.</i></p>   |
| <p><i>System makes grinding noise</i></p>   | <p><i>Actuator not properly lubricated</i></p>   | <p><i>Remove and re-grease actuator following steps found on Page 18.</i></p>   |
| <p><i>Wireless remote not working</i></p>   | <p><i>Remote battery dead</i></p> <p><i>Remote not synced with system</i></p>  | <p><i>Replace remote battery</i></p> <p><i>If your relay control has a "PROGRAM" Button, simply push that button until the LED indicator turns red. Then press either directional button on your remote. The LED will blink once signifying that the control and remote are now synced.</i></p> <p><i>If your relay control does not have a "PROGRAM" button, simply remove the Red (+) control wire from your battery and press either directional button. Touching the Red (+) wire back to the battery post with a directional button pressed will sync your remote.</i></p> |
| <p><i>System turns more one way than the other or turning is not full lock-to-lock.</i></p> | <p><i>Linkage is not properly adjusted</i></p> <p><i>Actuator was not properly set when linkage was installed</i></p> <p><i>Linkage mounting point incorrect</i></p> | <p><i>Adjust linkage referring to Installation Step 31</i></p> <p><i>Remove linkage and refer to Installation Steps 16-19</i></p> <p><i>Adjust or re-install your bracket so that the linkage mounting point is as close to the motor and centered as possible</i></p>  |

*If the problem persists after following these steps, please feel free to give us a call at 1-800-466-7697. Our technical support team is available Monday-Friday 8 AM-4:30 PM CST and would be happy to help!*