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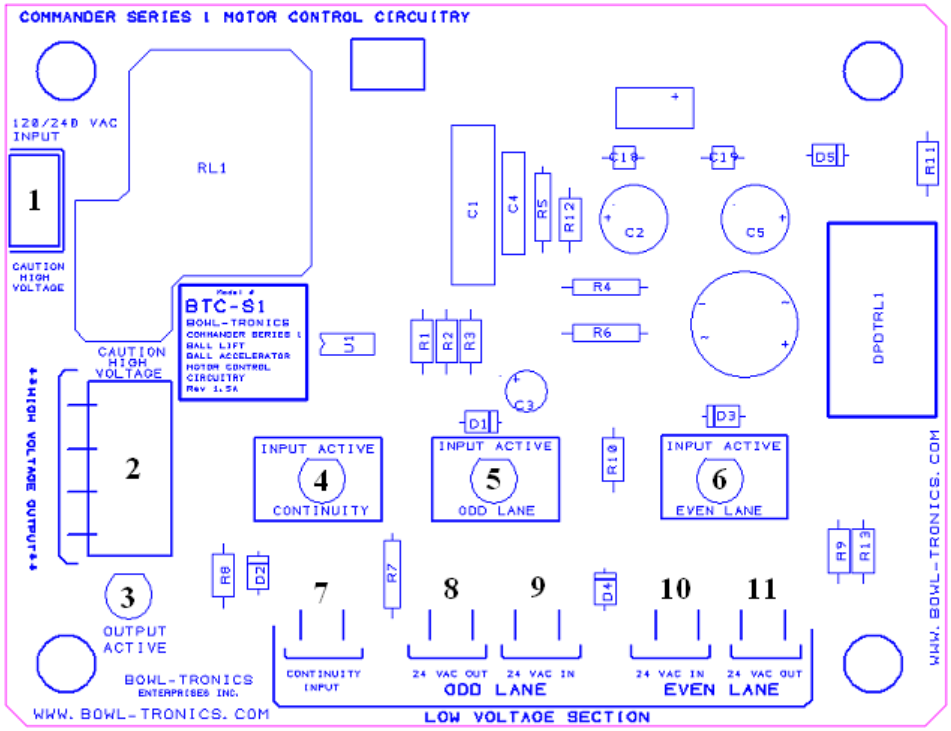
Commander Series 1 Ball Accelerator Motor Control Box (BTC-S1/ACC)



PC Board Layout Description Table:

1. **High Voltage Input**
2. **High Voltage Output (Motor)**
3. **Output Active LED (When Motor is running LED will be lit)**
4. **(Not used)**
5. **Input Active LED (When odd lane machine is running LED will be lit)**
6. **Input Active LED (When even lane machine is running LED will be lit)**
7. **(Not used)**
8. **24 VAC Output (Ball lift control voltage odd lane)**
9. **24 VAC Input (From Brunswick machine chassis odd lane)**
10. **24 VAC Input (From Brunswick machine chassis even lane)**
11. **24 VAC Output (Ball lift control voltage even lane)**

Ball Accelerator Motor Control Box Theory

This ball accelerator motor control box is designed to replace the existing Brunswick ball accelerator box or similar ball accelerator box. On the inside cover of the (BTC-S1/ACC) there will be a schematic on how to wire the (BTC-S1/ACC) will also be in this manual. From the machine 24 VAC supplies voltage to the solid-state control circuit, this closes the circuit to start your ball accelerator motor running.

Installation Instructions

Remember to remove power before performing any installation!!

First, start by removing the old ball accelerator box. Next you will utilize the main power cable, ball accelerator motor cable, and the two sets of low voltage 24 VAC wires, one from the machine and the other from the ball lift box. Start by mounting the (BTC-S1/ACC) where the old accelerator box was and plug in the main power connection to the new (BTC-S1/ACC) box. Next, install the ball accelerator motor cable to the (BTC-S1/ACC) box. View the schematic to help wire up all the connections to the (BTC-S1/ACC) box. Hook up the 24 VAC low voltage wires to the (BTC-S1/ACC) box from the machine to the 24 VAC "in" screw terminal blocks. Finally hook the other pair of 24 VAC wires to the 24 VAC "out" screw terminal blocks. Those will be going up front to your ball lift motor control box.

For repair visit: www.bowl-tronics.com/service

Fill out our service request form and ship to the address that is shown.

Notes:

Ball Accelerator Motor Control Box Schematic