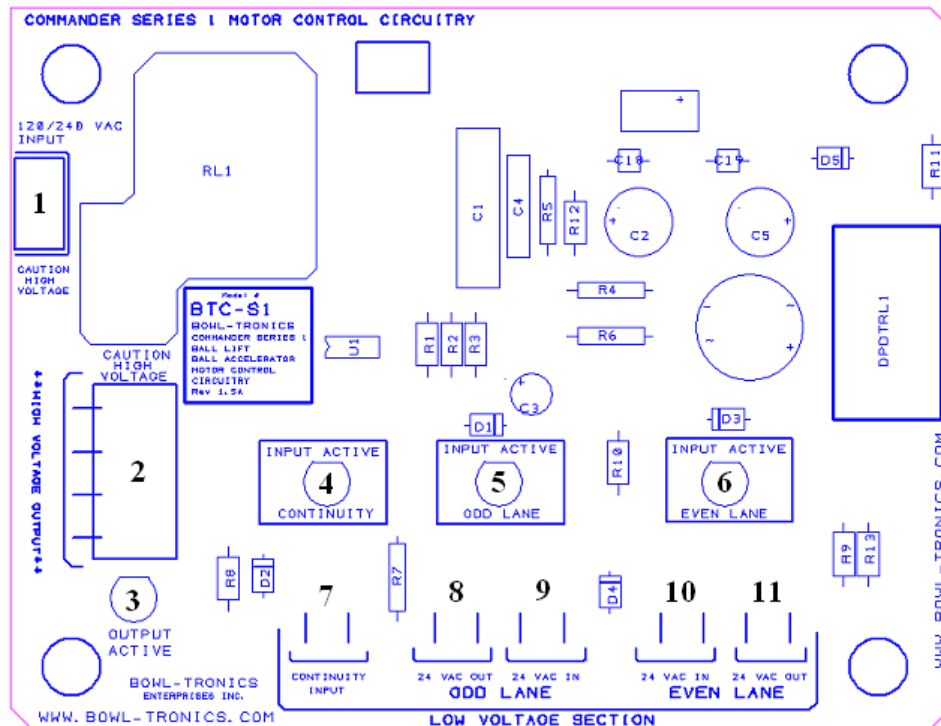


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Commander Series 1 Ball Accelerator Motor Control Kit (BTC-S1/ACC/KIT)



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 Kit Theory

The ball accelerator motor control kit is designed to replace the existing Brunswick ball accelerator relays or similar ball accelerator relays. Supplied with the (BTC-S1/ACC/KIT) there will be a schematic on how to wire it into your box. The schematic should be placed on the inside cover of your existing box for future reference. The schematic 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 relays. Carefully remove the (BTC-S1/ACC/KIT) PC from the mounting plate. Take the mounting plate to the ball accelerator box and align the screws on the bottom of the plate with the holes in the box where the relays use to be. Adjust the screws as necessary and tighten down. Reinstall the (BTC-S1/ACC/KIT) PC back on the mounting plate. Next, you will utilize the motor cable, and the two sets of low voltage 24 VAC wires. One set from the machine and other to the ball lift motor up front. Start by installing your ball accelerator motor cable to the (BTC-S1/ACC/KIT). View the schematic to wire up the ball accelerator motor to the (BTC-S1/ACC/KIT). Hook up the 24 VAC low voltage wires to the (BTC-S1/ACC/KIT) 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 Kit Schematic

