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Time Delay Module Extreme (TDM-X)

Time Delay Module Extreme Theory

The Time Delay Module Extreme is a direct replacement for Brunswick's A-2 time delay module. Shown on the circuit board of the (TDM-X) it is marked 13 through 20. Terminal 13 & 14 is 24 VAC input. Terminal 15 is your 2nd ball input. Terminal 16 & 17 is your reset circuit. Terminal 16 & 18 is your time delay circuit. Terminal 19 & 20 is your high voltage solenoid out.

When the rest button is pushed voltage from T-16 is sent to T-17 cycling the machine. When the rake trigger switch closes voltage from T-16 is sent to T-18 to start the time delay circuit. T-15 as explained early is your 2nd ball input when the 2nd ball light switch closes it sends voltage to T-15 and cancels the time delay circuit between T-16 and T-18 to cycle instantly.

Installation Instructions

Remember to remove power before performing any installation!!

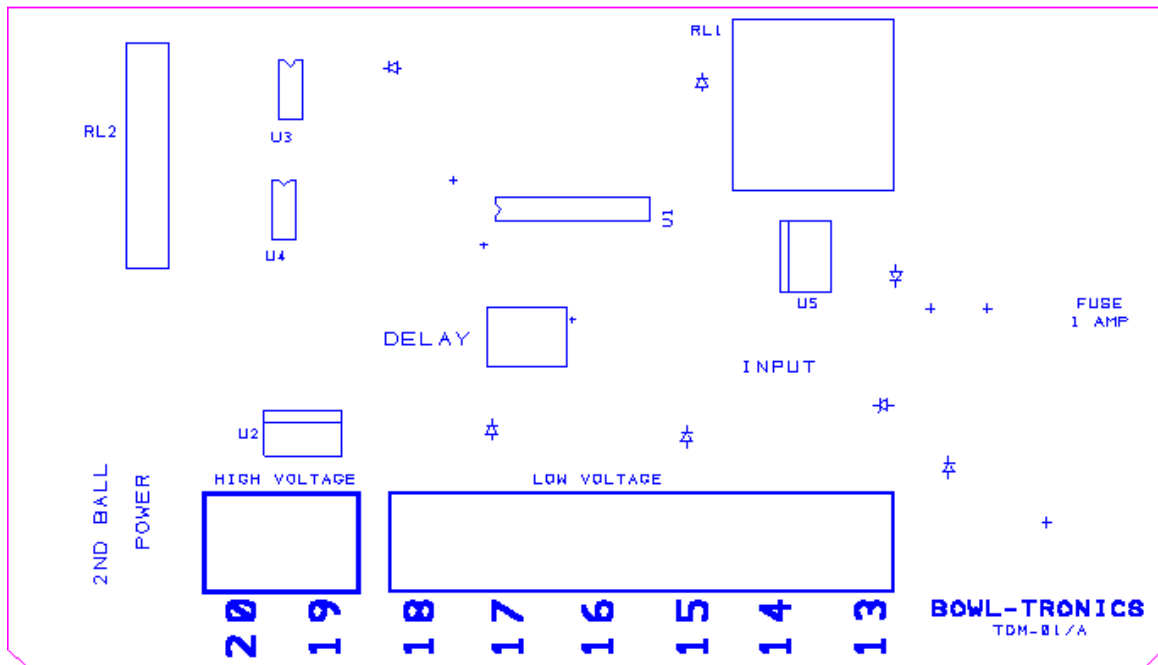
Remove old time delay module and take care in removing the old wires. It is recommended to label each wire or remove one wire at a time and replace it on the corresponding number on the new (TDM-X). View the schematic on the back of this page for further explanation. When the (TDM-X) is installed check you're wiring to be sure it is correct. Power up the machine and check to see if the power LED on the (TDM-X) is lit. If it isn't lit check T-13 and T-14 wiring connection make sure it is correct and the main fuse on the (TDM-X) hasn't blown. If fuse has blown resolve issue by finding the short and replace with a 1 AMP 2 AGC fuse. Test the input LED to see if it lights when you reset the machine. Then run the machine into 2nd ball to test if the 2nd ball LED lights also.

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

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

Notes:

Time Delay Module Extreme Schematic



SOLENOID #59

220 VAC #58

DELAY #56

RESET #55

VDC #68

2ND BALL #53

GROUND #54

24 VAC #57

"#" ORIGINAL BRUNSWICK WIRE NUMBERS