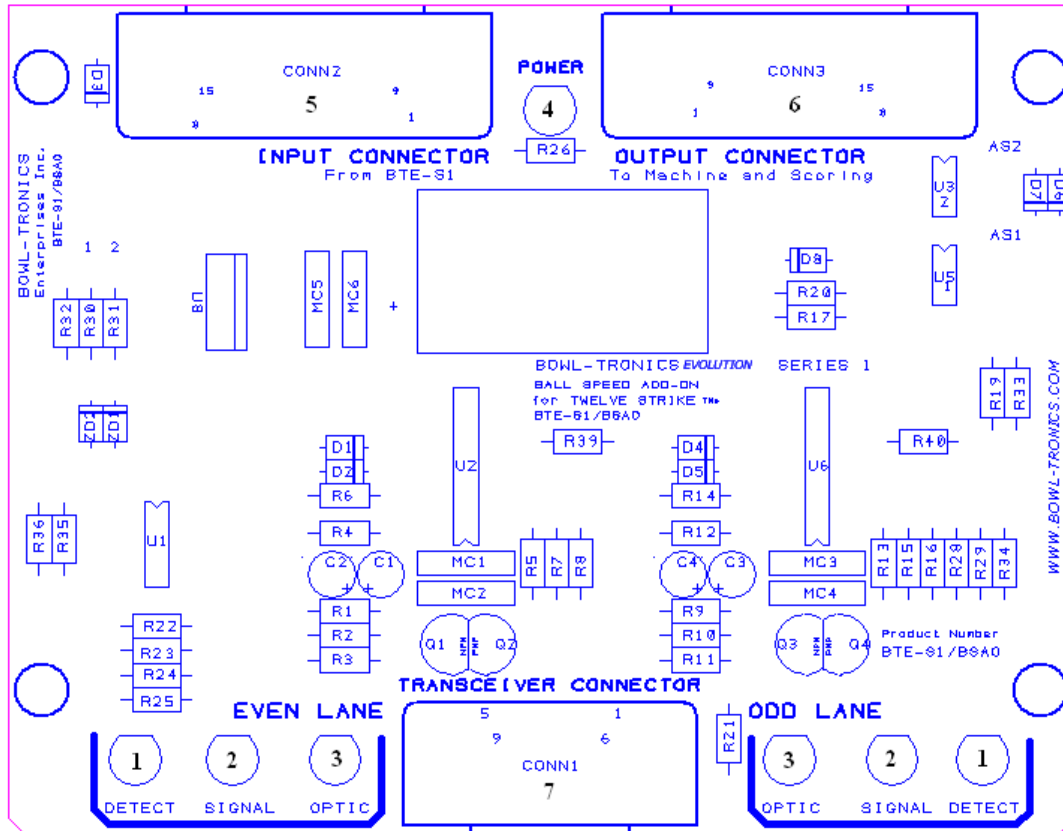


Bowl-Tronics Enterprises Incorporated

Address: 1115 Sherwood Ave.
Elgin IL. 60120
Website: www.bowl-tronics.com
E-mail: rick@bowl-tronics.com

Phone: 847-741-4500

◆ Evolution Series 1 Infrared Ball Speed Unit ◆



PC Board Layout Description Table:

1. Even/Odd initial ball detect LED
2. Even/Odd input signal from BTE-S1
3. Even/Odd optic alignment LED
4. Main power LED
5. DB-15 Input connector from BTE-S1 (*utilize 2' jumper cable from BTE-S1 main connector*)
6. DB-15 Output connector to machine & scoring hook up
7. DB-9 Transceiver/Optic main connector

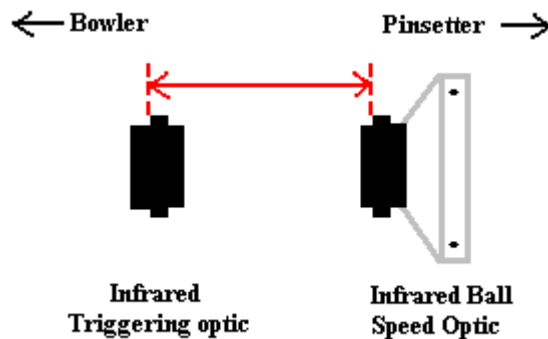
Evolution Series 1 Infrared Ball Speed Unit Theory

The (BTE-S1/BSAO) is a device that works in conjunction with your infrared ball triggering system for 12 strike scoring. It allows your 12 Strike scoring to display the speed in which the ball is traveling. When the first infrared beam is blocked by a ball the triggering system tells the scoring to get ready for the ball speed signal. Then when the second infrared beam is blocked it determines the speed by the distance and time it traveled between the two infrared beams.

Installation Instructions

Remember to remove power before performing any installation!!

First, start out by mounting the (BTE-S1/BSAO) on the left side of the existing infrared triggering unit. Follow the wiring diagram on the next page for proper wire hook up. The distance between the two optics can vary since you can input the distance between the two optics into the software (For tech support on this issue please contact Twelve Strike Scoring). Mount the ball speed optic where it is convenient. Be sure to mount the ball speed optic behind the infrared triggering optic. Measure between the two different front optic tubes and enter the number into the computer. See diagram below for correct mounting and measuring.



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

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

BTE-S1/BSAO Infrared Ball Speed Unit Wiring Diagram

