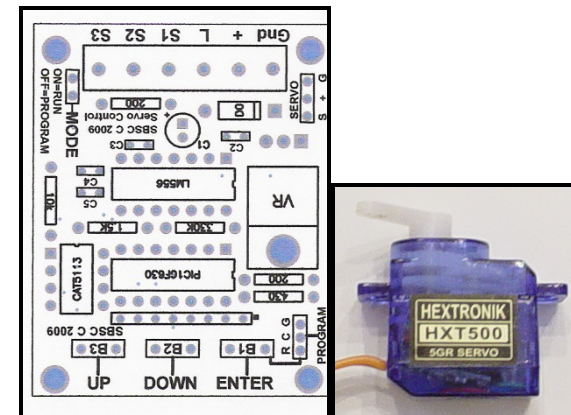


# South Bend Signal Company

“Making Your Railroad Real”

## Servo Control Unit V2 (SCU)

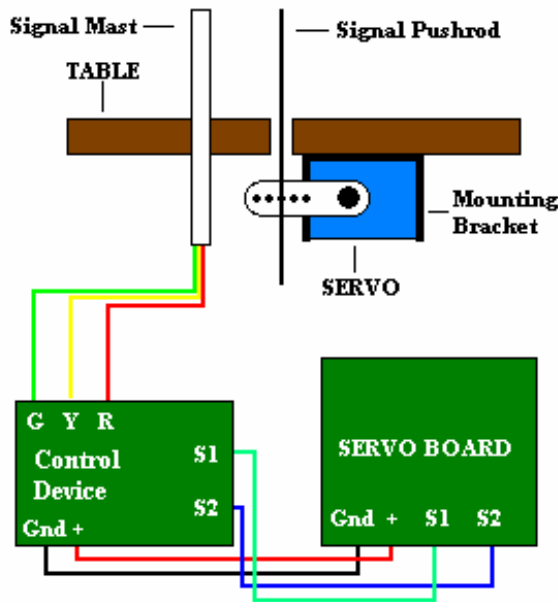


For Crossing Gates  
And  
Semaphores

SBSC © 2009

## Wiring Diagram for the complete System Using South Bend Signal's CFD or CFD-IF or other control device

Figure 4

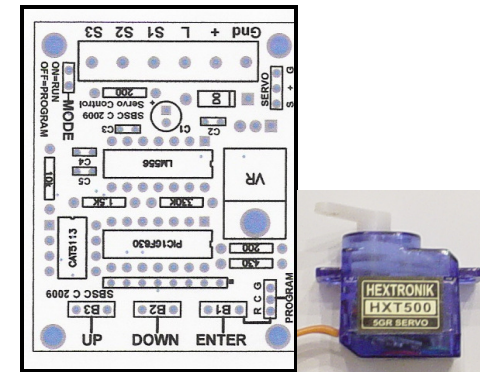


The diagram illustrates the connections for one signal. For a second signal at the crossing, connect the Servo board and signal to the CFD or CFD-IF or other control device in the same manner as illustrated above.

## Servo Control Board Description

The servo board is designed to provide you with accurate precision settings for the movement of crossing gates and semaphores. The board controls a micro servo (included) which provides realistic slow-motion movement of crossing gates or semaphore blades. **Please read the entire manual before beginning.**

## Input/Output Description



**UP Button:**

Moves the control arm up 2.2 degrees with each button press for programming.

**DOWN Button:**

Moves the control arm down 2.2 degrees with each button press for programming.

**ENTER Button:**

Provides the saving of settings for three positions; **S1**, **S2**, and **S3** when programming.

**GND:**

Ground terminal from 12v DC power source  
**+** : Positive terminal from 12 v DC power source.

**L:**

Positive connection for Semaphore light  
**S1, S2, S3:** Input pins for activation of the three settings made in program mode. Device control signal (ground 5 volt regulated DC will move **SERVO**.)

**MODE Jumper**

Jumper to switch between program and Run modes: on = run off = program.