

## Crossing Sign Bell - CB

Thank you for purchasing our product. This crossing bell will add realism and excitement to your rail crossings.

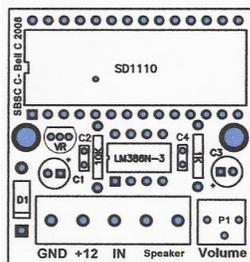
Tools needed:

- Small Phillips screw driver
- Marking pen
- 1/16th drill
- 12 volt DC power source

## Installation

[1] Become familiar with the board before installing.

**Fig. 1**



## Terminals Description

- **GND:** Connect ground wire of a 12 volt DC power source. Note: The power supply must be 9-18 volts DC. Failure to apply the proper voltage to the board will damage the circuitry.
- **SBSC will not be responsible for damage**

## due to the improper connection or incorrect voltage applied to the board.

- **+12 Volts DC:** The power wire of your 12 volt DC power source. Red
- **IN:** Connection to activate the crossing bell- ground active. Yellow
- **Speaker:** Connection for the two wires from the speaker. Black

## [2] Mounting the Board

Decide where you want to place the board. It should be placed relatively close to the crossing under the layout and close to the front of the layout.

Carefully place the board on a flat surface. With a pen or pencil, mark the place of the mounting holes (there are two provided). Drill 1/16th inch holes at the position of the marks.

[3] Using the 2 screws provided screw the board in position.

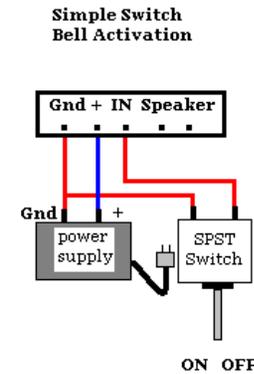
[4] Connect the power and ground wire to the terminals on the board.

## [5] Activating the Bell

(A) To activate the bell connect the IN terminal on the board to the ground wire of power supply. This can be done by

connecting the ground wire to a simple ON/OFF switch (SPST-single pole/single throw).

**Fig. 2**



## (B) External Device

The bell circuit can be activated by an external device that is connected to the IN terminal on the board and will be grounded when the crossing signal is on. Connect the IN terminal to the same power ground used to operate the crossing signal such as a Tortoise Switch Machine. South Bend Signal Company’s Crossing Signal Flasher units have a terminal ready for connection. Large Scl: yellow wire  
We hope you enjoy the added realism that this signal will give to your layout.

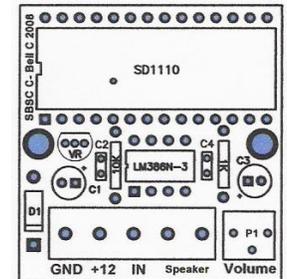
Thanks again for the purchase.

**www.sbsignal.com**

Questions or comments:  
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Real”

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**SBSC 2015**