

South Bend Signal Company
“Making Your Railroad Real”

Crossing Sign Bell - LCB

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

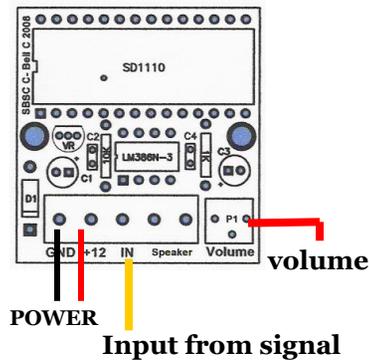
Tools needed:

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

Installation

[1] Become familiar with the board before installing.

Fig. 1



Wiring Descriptions

Power: (Color BLACK- RED +).

The bell can be powered by a 12 volt DC power source from a plug-in power supply or a 12 volt battery. Do not use track power it will damage the bell.

INPUT Actuator wire: (COLOR: YELLOW) Connection to activate the crossing bell- power (-) actuates the bell. Positive is off. For SBSC’s Crossing Signals. Connect the yellow from the bell to the yellow wire from the signal. The yellow wire from the signal is in the base. There is a hole in the base to slip the wire through.

[2] Mounting the Cabinet

Decide where you want to place the cabinet. It should be placed relatively close to the crossing signal so that the yellow wire from the bell can be

connected to the yellow wire from then signal. Place the cabinet on a mounting flat surface. A good mounting surface is a piece of treated lumber. With a pen or pencil, mark the place of the mounting holes. Drill 1/16th inch holes at the position of the marks. Using the 2 screws provided screw the cabinet in position.

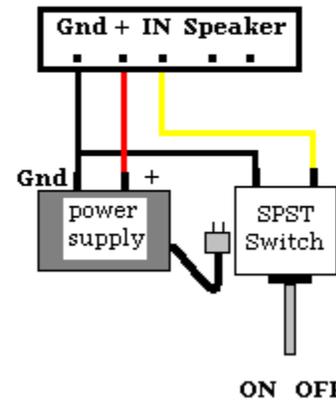
[3] Connect the power wires to the power source and the yellow wires between the signal and bell.

[4] Activating the Bell

To activate the bell connect the **IN** terminal (yellow) 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). The blue pot on the board is the volume adjustment.

Fig. 2

**Simple Switch
Bell Activation**



(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 ground 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. When using South Bend Signal Company’s crossing signals, connect the yellow wire from the bell to the yellow wire from the signal. When the train is detected, the wire from the crossing signal will ground the yellow wire for the bell and the bell will turn on. Only a connection to one signal is necessary.