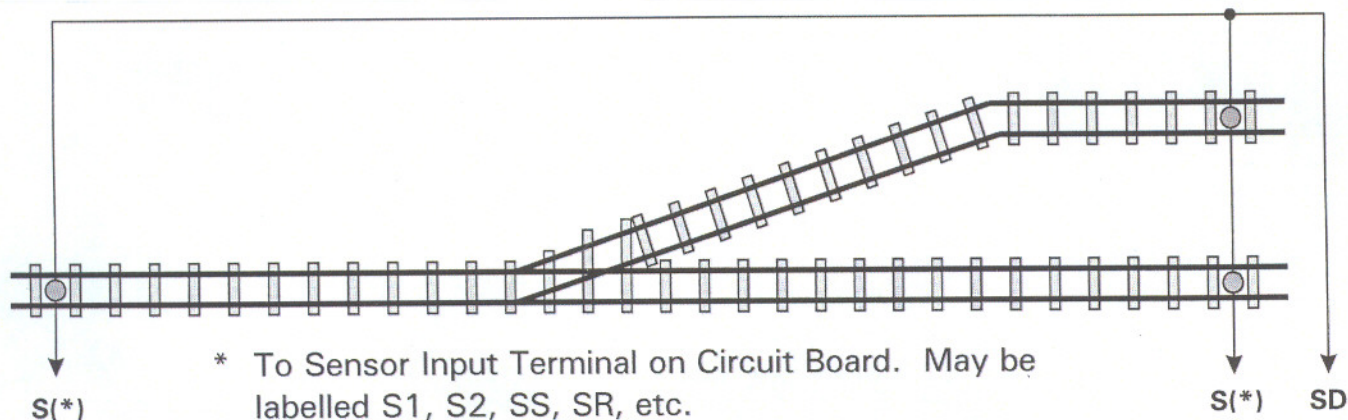




ADAPTING THE CIRCUITRON BD-1 TO THE SIGNAL SYSTEM

The BD-1 is very easy to integrate into the Custom Signal's Modular Signal System. Follow the directions for connecting the opto-sensors keeping this in mind:

1. Put the sensors in the middle of the track.
2. Keep them as close as possible to the ends of the signal block.
3. Do not put them directly under a light source.
4. When doing 2 tracks, put them where the tracks are the full width apart.
5. If you have a siding that is not part of the signal block, you can add one more opto-sensor in series with the other 2 to detect the train entering and leaving that siding.



Although the BD-1 is designed to drive 2 color signals, it is set up in a way to be easily used for detection only. The BD-1 assumes you are going to power other signals from an outside source and then it just connects the common side of the bulb or LED to light up the correct light. Since you will be powering your signals through the signal system, all you need to do is use the "OCCUPIED" connection to activate the Din. Make sure that the BD-1 is powered by the same power source as the signal system or that the commons of 2 different power sources are connected together. Connect the OCCUPIED terminal to the Din for that signal block.

