

SwitchMaster-4 Instructions



- The SwitchMaster-4 accomplishes 3 tasks:
- Fires one or more turnouts.
 - Switches track power using the on-board relay.
 - Drives 24volt lamps or LED's.

Firing turnouts, switching track power, and controlling lamps are done by triggering one of the 4 sensor inputs. There are two independent ALTERNATE sensors, one FORCE LEFT, and one FORCE RIGHT sensor. Any combination of sensor inputs can be used. The simplest hookup requires only a single ALTERNATE sensor. Each sensor is independent of all others. For example if a train "parks" on top of one sensor, then all of the others will still function.

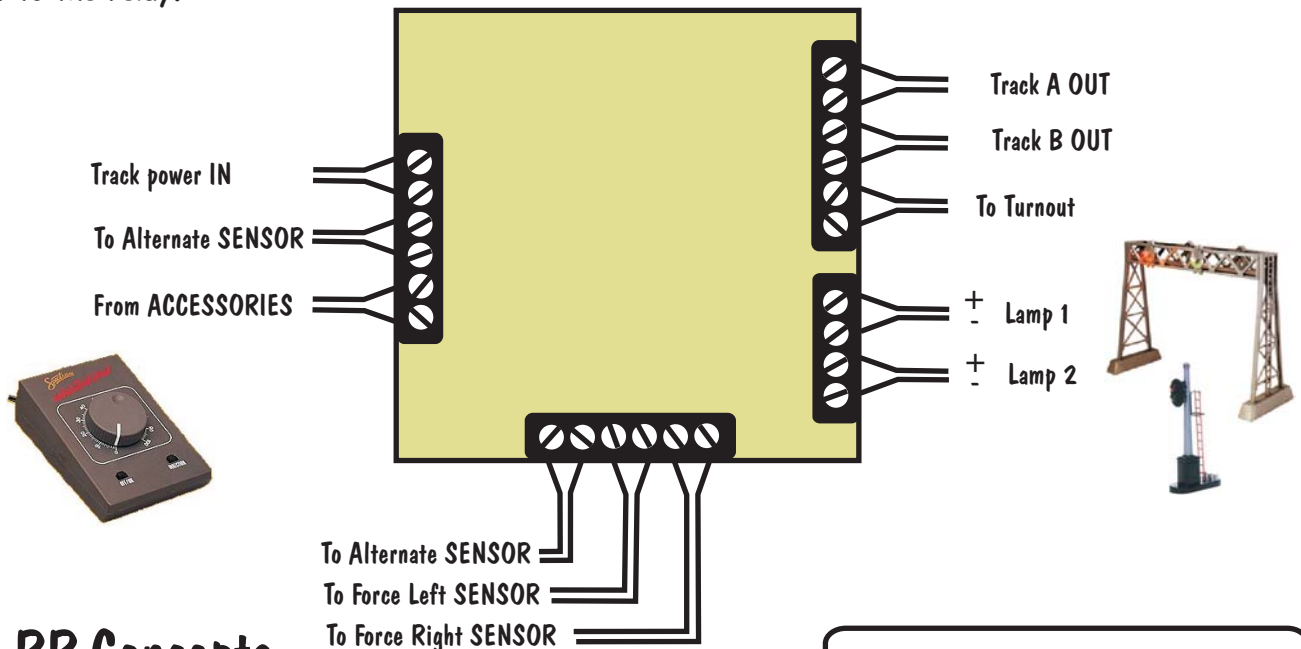
"Track Power IN" will be internally switched to either "Track A" or "Track B" and follows the position of the turnout.

"To Turnout" will create a short voltage burst to drive the turnout motors into position. Up to three turnouts can be simultaneously driven.

"From ACCESSORIES" should be wired to the ACCESSORIES output of your transformer.

"Lamp1" and "Lamp2" are 24volt DC outputs (depending upon input ACCESSORIES voltage) for directly driving signal towers, or signal lights. Only one will be turned on at a time, and they will follow the position of the turnout. Note that DC is supplied. Using a current limit resistor, LED's can be used in addition to 24 volt lamps.

Upon initial power up, the SwitchMaster-4 will fire to Track B and Lamp 2. This is for synchronization of the the turnout to the relay.



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