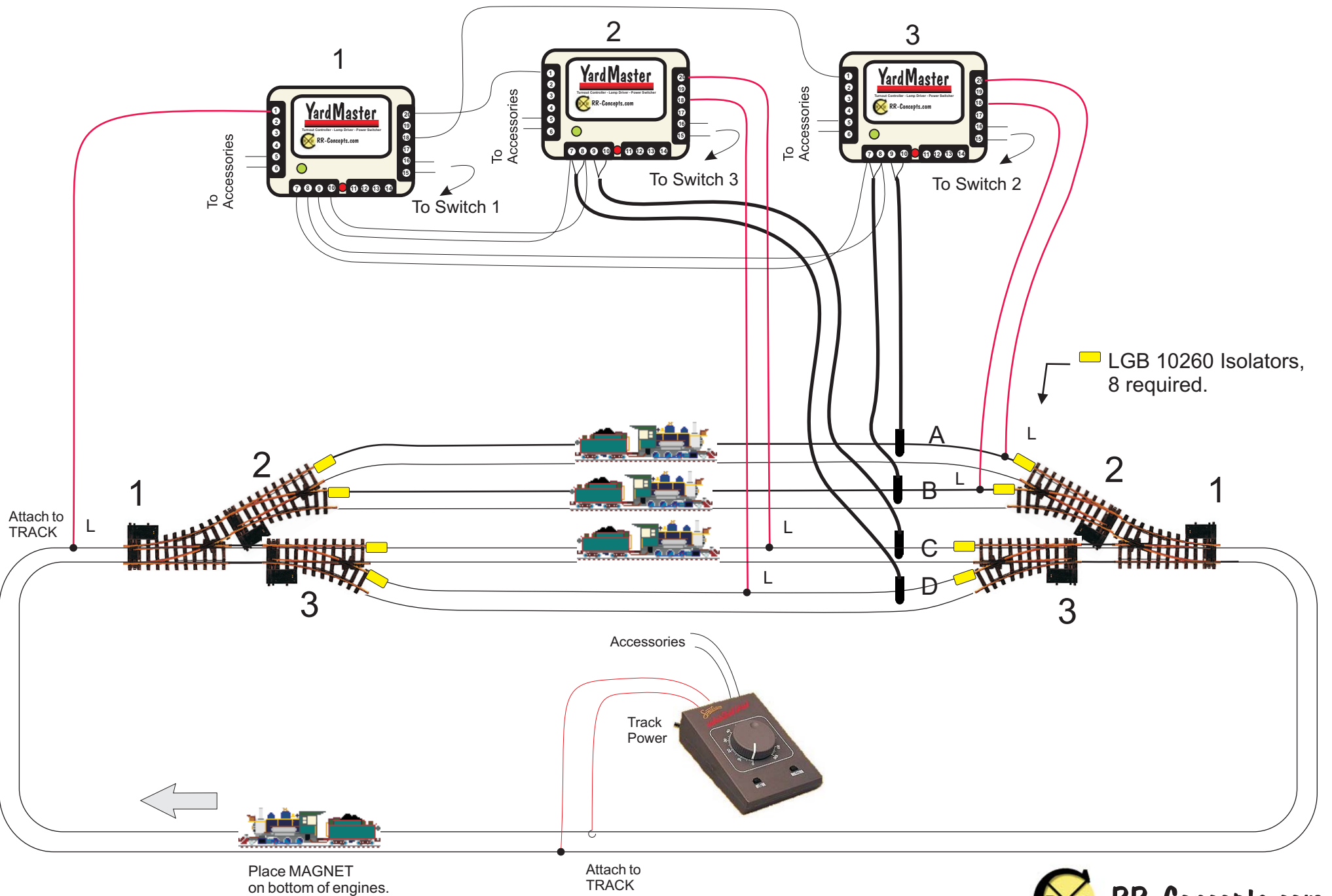


Alternating 4 train siding

See page 2 for hookup details.



Alternating 4 train siding

Parts required:

YardMaster: Qty 3
Sensors: Qty 4
Turnouts: Qty 6; 3 are powered and 3 can be either floating or powered.
Track Isolators: Qty 8
Magnets: Qty 4

Description:

The 4 Train alternating siding will alternate running 4 trains around the layout. The switching will occur as a train passes over the train sensor.

Hookup Description:

YardMaster #1:

Terminal #1 attaches to the left rail of the main line track.
Terminals #5 and #6 attach to the accessories output of the power pack.
Terminal #7 attaches to YardMaster 3 terminal #7.
Terminal #8 attaches to YardMaster 3 terminal #8.
Terminal #9 attaches to YardMaster 2 terminal #7.
Terminal #10 attaches to YardMaster 2 terminal #8.
Terminals #15 and #16 attach to switch #1.
Terminal #18 attaches to YardMaster 3 terminal #1.
Terminal #20 attaches to YardMaster 1 terminal #1.

YardMaster #2:

Terminal #1 attaches to YardMaster 1 Terminal #20.
Terminals #5 and #6 attach to the accessories output of the power pack.
Terminal #7 attach to YardMaster 1 terminal #9 and also one wire of sensor D.
Terminal #8 attach to YardMaster 1 terminal #10 and also one wire of sensor D.
Terminal #9 attach to one wire of sensor C.
Terminal #10 attach to one wire of sensor C.
Terminals #15 and #16 attach to switch #3.
Terminal #18 attaches to left rail of siding D.
Terminal #20 attaches to left rail of siding C

YardMaster #3:

Terminal #1 attaches to YardMaster 1 Terminal #19.
Terminals #5 and #6 attach to the accessories output of the power pack.
Terminal #7 attach to YardMaster 1 terminal #7 and also one wire of sensor B.
Terminal #8 attach to YardMaster 1 terminal #8 and also one wire of sensor B.
Terminal #9 attach to one wire of sensor A.
Terminal #10 attach to one wire of sensor A.
Terminals #15 and #16 attach to switch #2.
Terminal #18 attaches to left rail of siding B.
Terminal #20 attaches to left rail of siding A.

Notes:

The direction of the trains is shown in the diagram. Set the transformer to run in this direction.

Each train must carry a magnet to trigger the sensors.

The exit switches can be either powered and wired in parallel with the entry switches or floating with the trains pushing the points.

Red wires attach to the track as shown.

Right rail is "ground" and is connected to all sidings without isolators. The left rail of each siding is isolated and attached to a YardMaster.

Sensors should be wired to turnouts as follows:

(Test using a magnet on the sensors)

- = Sensor A will force Switch 2 to track B.
- = Sensor B will force Switch 2 to track A, and also will force Switch 1 to tracks C and D.
- = Sensor C will force Switch 3 to track D.
- = Sensor D will force Switch 3 to track C and also will force Switch 1 to tracks A and B.

Please reverse wires to switches as required to make these operations occur.

The YardMasters must not have a time delay programmed. Please program them for "no time delay" if necessary.