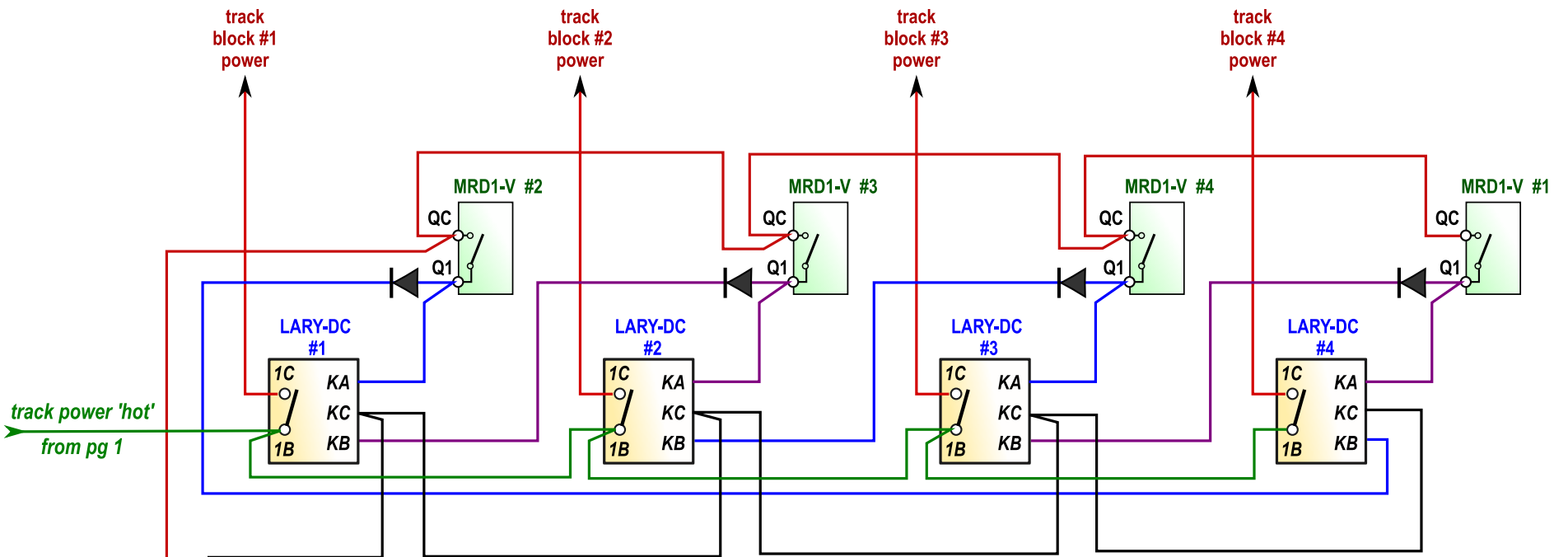


Two trains on one loop, for 2-rail or 3-rail layouts.
 Note: For 3-rail track, the insulated rail joints and the block power connections are on the center rail.
 Track power 'common' connects to the outside rail.

As a train enters a block, it trips a relay that turns off power to the block that is behind the locomotive.
 It also trips another relay that turns power back on to the second block behind the locomotive.

For example, as the locomotive leaves block #2 and enters block #3, it crosses IR sensor #3. This trips LARY-DC #2 terminal KA which turns off power to block #2. It also trips LARY-DC #1 terminal KB which turns on power to block #1.



12v DC power +
-
+12v to 'P1' on all MRD1-V modules
to 'P2' on all MRD1-V modules

KA - 'off'
KB - 'on'

Connect infrared sensors to each MRD1-V according to the MRD1-V instructions.

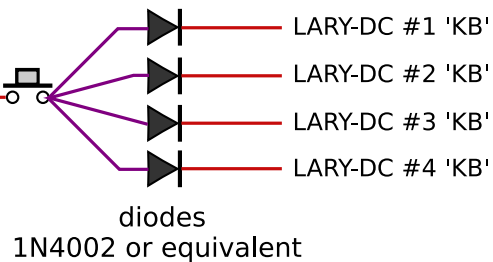
Set each MRD1-V to short momentary activation by turning the adjuster full counter-clockwise.



physical diode



symbolic diode



Manual 'clear' (optional but recommended)

There may be situations when it is desirable to manually restore power to all blocks.

The manual 'restore' button is connected to each LARY-DC 'KB' terminal via a series diode.