

Turnout control using sensors

ADiA is 100% ESP ready!

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Automation to set routes or to safely align turnouts ready for an approaching train:

Let's have some sensible fun. Freight trains to the slow line, passenger trains to the express route! We'll use magnetic sensors for this one, because they let us define locomotive types via positioning.

We can ALSO make sure that the turnout is set correctly by adding another magnet on the centre-line of each loco, so derailments as the train moves over turnouts from left to right are gone forever!

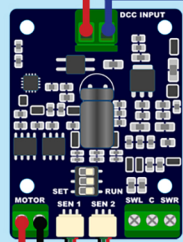
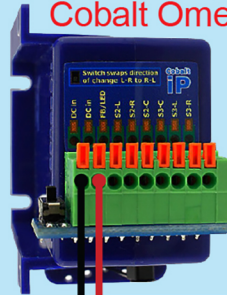
Look at the coloured positions under the loco's & match to the coloured DOTS (sensors) on the track. Remember that the turnout motor may need time to change, so space the magnets to give them time!



Magnet placed in the middle will always trip the sensor when a loco passes.

In this example, if a locomotive is moving *left > right* the turnout will always change automatically to the right position so the loco can safely pass without derailing..

Cobalt iP Analog or Cobalt Omega

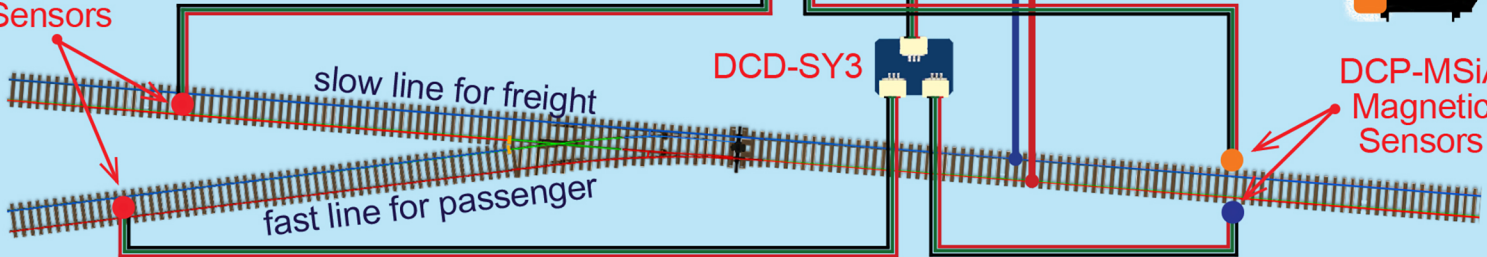


Blackened magnets are usually invisible under the side of the loco trucks/bogies.

In this example, when moving *right > left* the loco's with the Blue magnets will take the fast line and those with the Orange magnets will take the slow line.



DGP-MSiA Magnetic Sensors



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