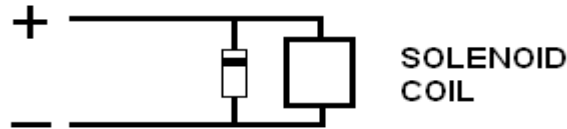


DCC and Radio Control users

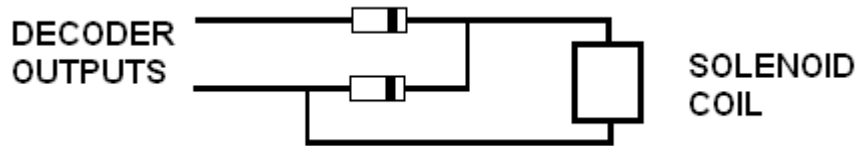
If you have a DCC decoder that supplies simple continuous on or continuous off outputs in the correct DC voltage and current range, hookup is easy. Hook the wires up and you're done. You might check the manufacturer for requirements of a spike suppression diode. If needed, This is how to hook up the diode:

Suppression Diode Placement & Polarity



Most decoders have momentary outputs for twin coil switch machines or continuously on/polarity reversal outputs for motor drive "stall" type or a combination of the previous two for LGB polarity+momentary type.

For the E-Z Air solenoid, set your decoder for the stall type output. Normally this is a DC voltage that is continuously on in one polarity, or continuously on in the opposite polarity. Since the solenoid doesn't care about polarity, we need to add two diodes. They are connected as shown below.



If the solenoid is activated in the wrong polarity, just reverse the two leads at the decoder. Do not eliminate either diode. One is to convert the dual polarity output to the "on - off" output we need. The other diode is to prevent the voltage spike, created when the solenoid is turned off, from getting back into the decoder and causing problems.