

Notes:

- -- you will most likely need a heat sink on the transistor.
- -- This diagram is for DC solenoids rated up to about 24W: i.e. 12V@2A, 6V@4A, 24V@1A etc.
- -- The protection diode should preferable be a schottky type, which has better response times. Something like a MUR340 is good for loads up to 3A.