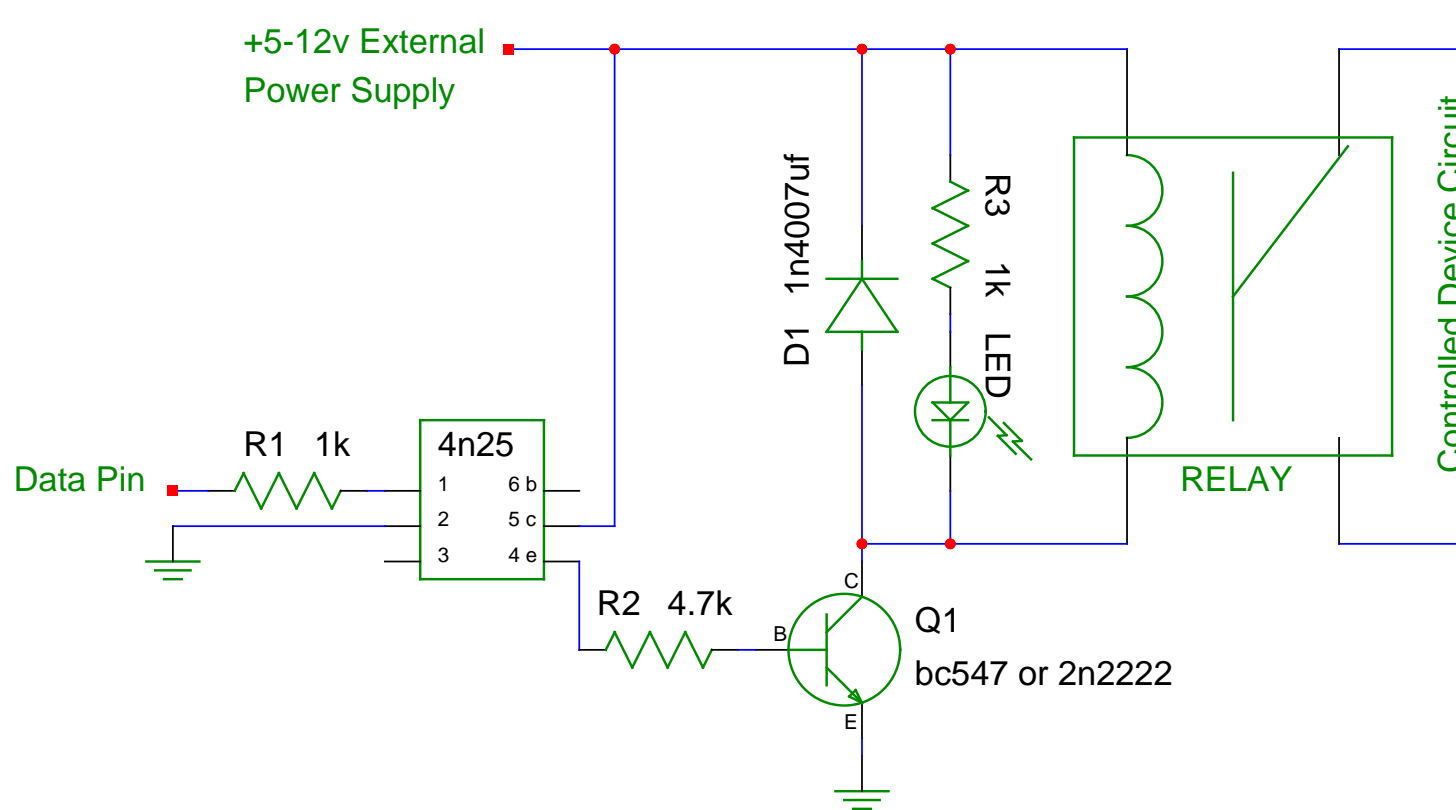


# Parallel Port Control Circuit (the safer design)

2005-11-04



Left Section	Middle Section	Right Section
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The Left Section is actually connected to the computer's data pin for "on/off" control.

The Middle Section is separated by the 4n25 opto-isolator to prevent damage to the computer.

The Right section is controlled by the middle section and can handle a high current relay.

Each section is separated from each other (opto-isolator and relay) and should offer a high degree of protection against shorts unless there is electrical arcing.

D1 protects against back EMF by the relay coil. R3+LED are optional but convenient.

This circuit design has other "low current controlling high current" uses besides the parallel port.