

4 - switch control from PC parallel port.

This circuit described below is a 4 switch controller. It can only be used with a PC's parallel output and a special program running the parallel port control program. It doesn't overload the PC's port because it uses JFET which acts like a switch. Those switches make a short-circuit between Drain-Source when a zero voltage appears in Gate through a 470Ω resistance. When the JFET is short-circuited, a LED opens through a $1K\Omega$ resistance and of course the relay. The diode 1N4148 parallel to the relay is for protection. The resistors R5 and R6 are connected to pin 10 and 21 and are useful for simulating that a printer is connected to the parallel port. Also this electronic circuit is powered by a regulated power supply about 6V. You can use a LM7806 regulator. So this circuit is not computer independent because of the JFET.

