

LDR, LM-393, and a Darlington Pair Configured as a Relay Driver

Explain this here

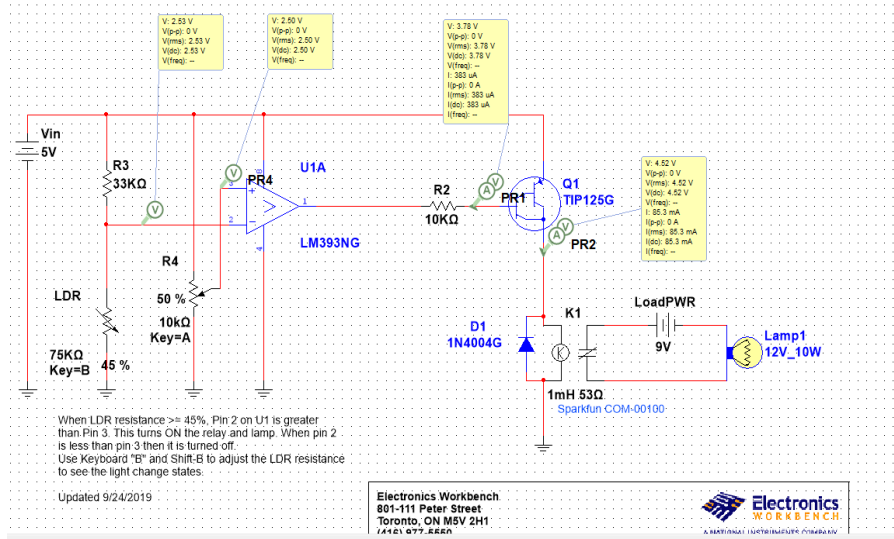


Figure 1: This shows how an LDR and LM393 Comparator can be used to power a relay that controls a high power load. The lamp is ON because the voltage at Pin 2 of the comparator is greater than the set/reference voltage on pin 3.

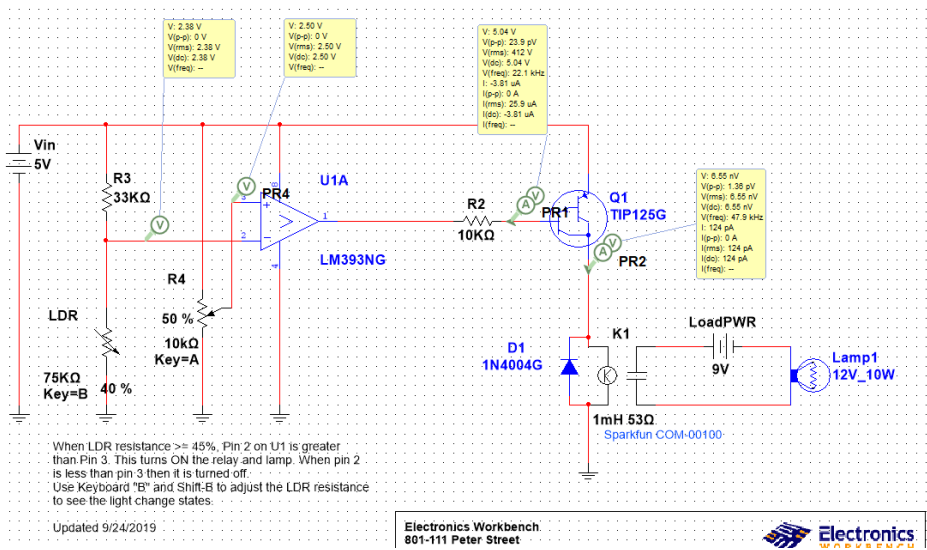


Figure 2: Now the reference voltage on pin 3 is greater than the LDR voltage on pin 2 and the lamp goes OFF.