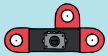
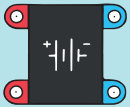
L430 PNP AMPLIFIER WITH COMMON COLLECTOR II.


1x potentiometer

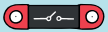

1x transistor PNP


1x bulb


1x battery


2x


2x


1x switch


1x resistor 100Ω

Changing the base resistor to a low value of 100 Ω will increase the current flowing to the transistor base, but the bulb brightness remains almost constant. This is because the voltage on the bulb still corresponds to that on the potentiometer slider although the circuit would be able to supply more current. However, since the load is still just one bulb, the amount of current consumed does not increase, so changing the resistor has virtually no effect.