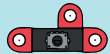


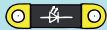
L400 COMMON EMITTER AMPLIFIER WITH NPN AND LEDS



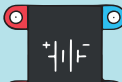
1x potentiometer



1x transistor NPN



2x LED



1x battery



2x



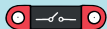
2x



1x resistor 100Ω



1x resistor 1kΩ



1x switch

The circuit demonstrates the ability of a transistor to amplify an electric current. Use a potentiometer to control the current flowing through a LED diode to the transistor base. A low current that is barely sufficient to turn on the LED will cause the transistor to open to the extent that the voltage on the LED is sufficient to light it up.

