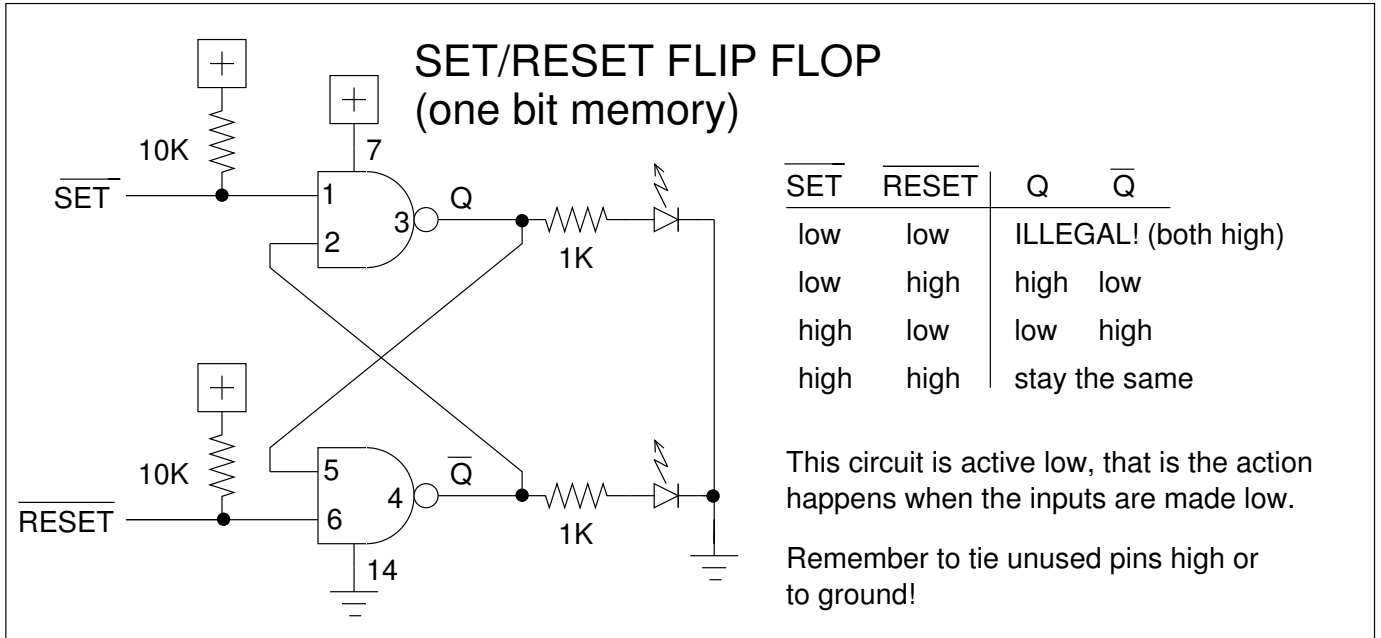
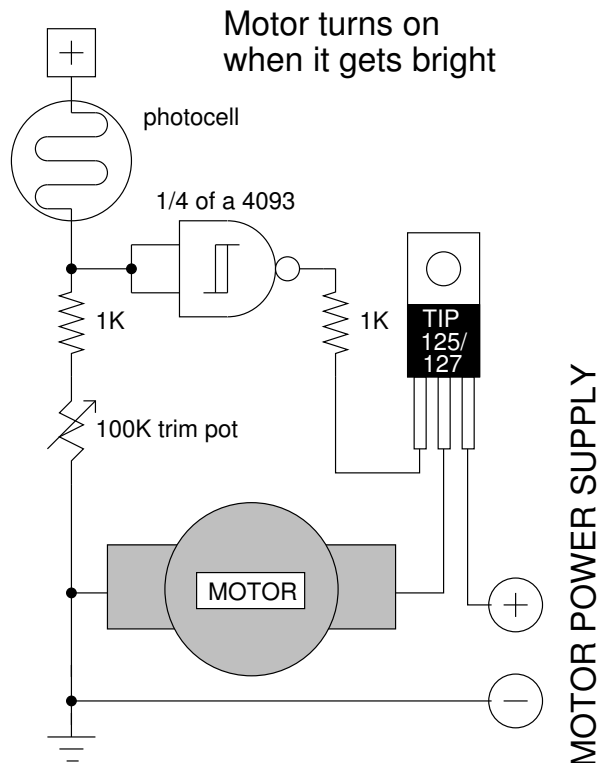
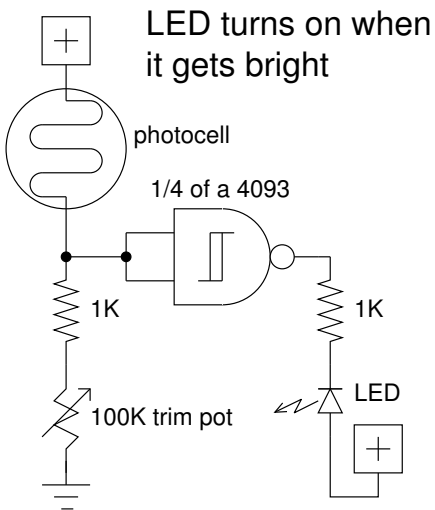


SOME 4093 (NAND) CIRCUITS



SCHMITT TRIGGER CIRCUITS



These are variations of the same circuit. These circuits will only work with chips that have Schmitt trigger inputs, such as the 4093. This is because the Schmitt trigger is designed to "clean up" crappy voltages. We can take advantage of this and use it to turn an analog signal (such as from the photocell) into a fully on or off digital signal. This is called conditioning the signal.

In both of these circuits you can use the trim pot to tweak the trigger level.

You could also swap in any resistance based sensor for the photocell, such as a pressure sensing resistor like the IESF-R-5.

You can get it at www.hvwtech.com or digikey.ca (digikey part no:102-1212-ND).