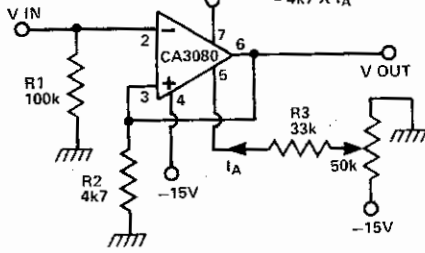


*(V-) - (V+) MUST NOT BE GREATER THAN ±5V



Z OUT = 4k7
± HYSTERESIS LEVELS = 4k7 X I_A

Simple Schmitt Trigger with Programmable Hysteresis

Again the multiplier qualities of a 3080 can be used to produce a versatile schmitt trigger. DC positive feedback is used and so a schmitt trigger action is produced, although the size of the hysteresis levels is determined by I_A . All of the I_A current flows out of the amplifier's output and through R2, thus setting up the hysteresis level. Therefore increasing I_A will increase this level and visa versa. The positive and negative hysteresis level. Therefore increasing I_A will increase this level and vica versa. The positive and negative hysteresis levels are symmetrical about 0 V. Take care