

Simple c.m.o.s. switch

A single c.m.o.s. transmission gate can be used as a touch switch which requires practically no current when off. The gate is wired as a bistable and two diodes steer a 50Hz signal to change the state of the switch. Resistors R should be 4M7 for supplies between 5 and 8V, but can be increased for higher supply voltages. Capacitor C smooths the 50Hz signal and

prevents the transmission gate from turning on when the power is applied.
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